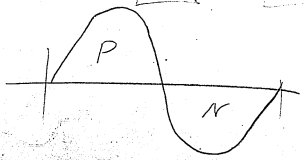
Notebook, N-87-09-02

This notebook covers the period September 1887-October 1889. All entries are by Edison. The book contains drawings and occasional calculations relating to the electric railway, dynamos, and 3- and 4-wire electrical distribution systems. In addition, there are drawings and patent caveats for the phonograph, typewriter, and spiral kinetoscope. There is also a list of cost calculations for an ore milling system. The book contains 245 numbered pages and has been used in both directions. Two loose pages have been inserted into the book.

Filming order: 1-149, 245-154; loose items.

Blank pages not filmed: 8-9, 16-19, 112-115, 126-133, 138-141, 144-145, 150-153, 156-159.



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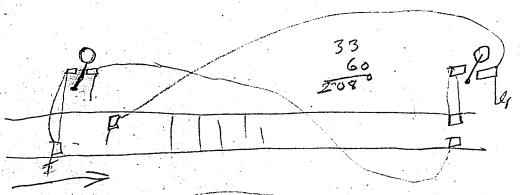

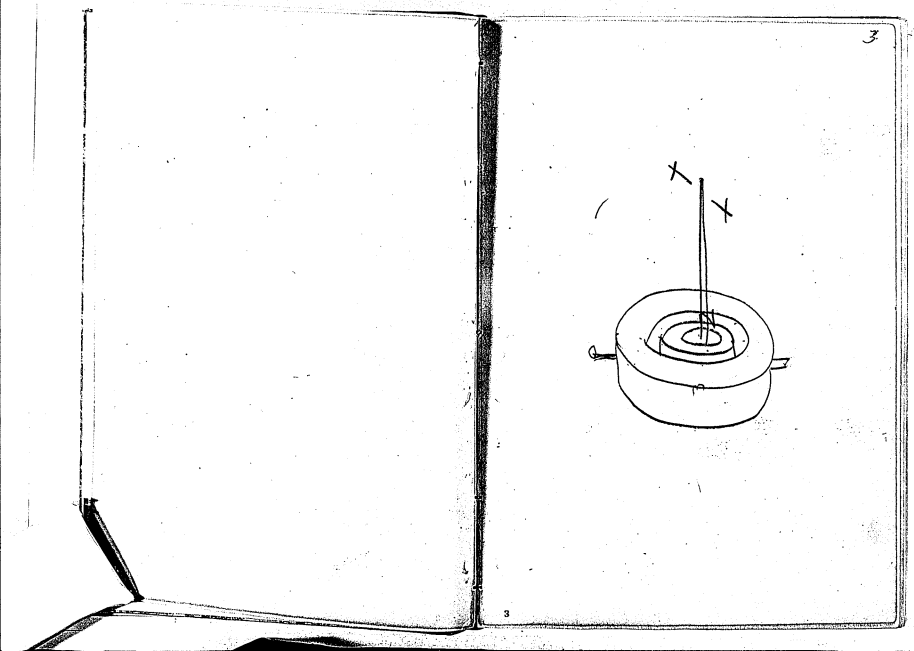

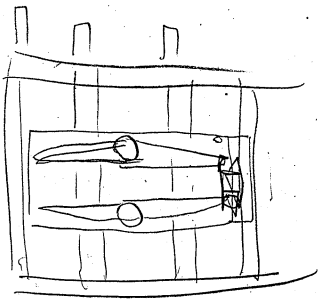

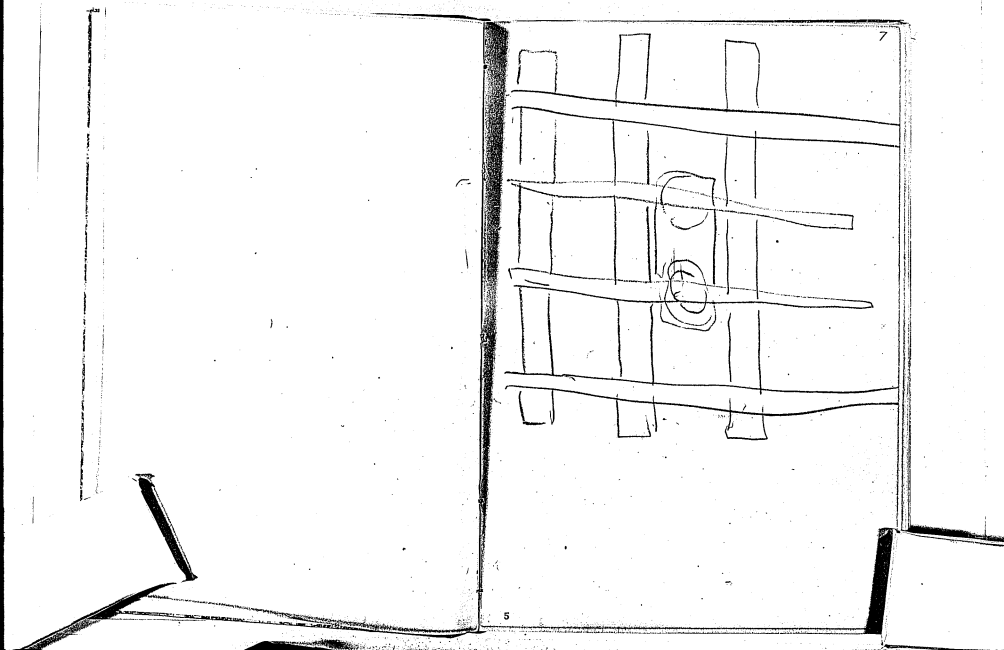
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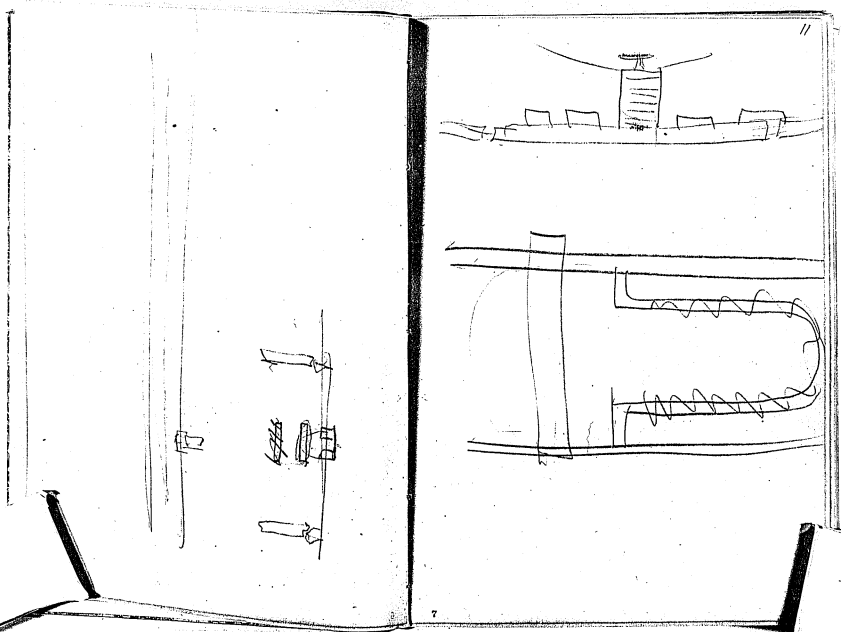

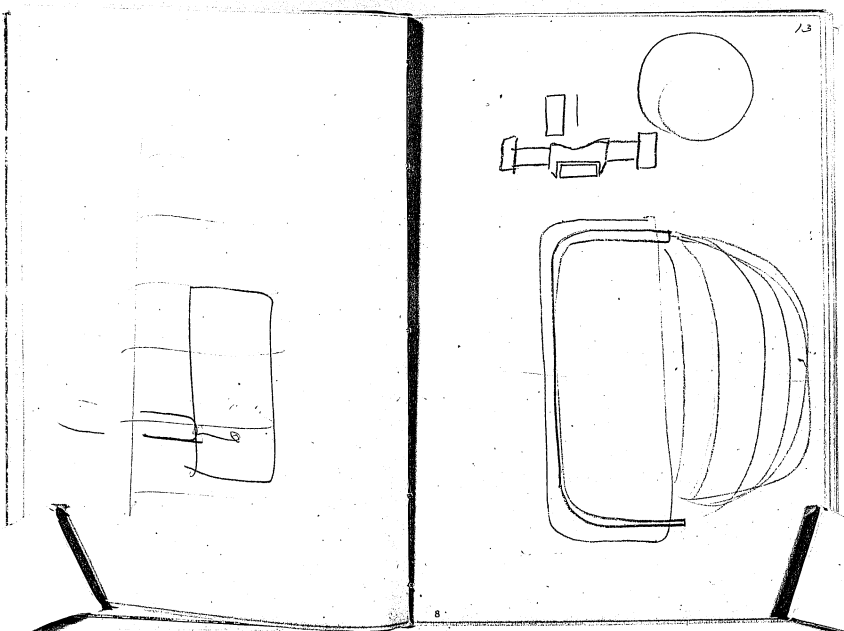

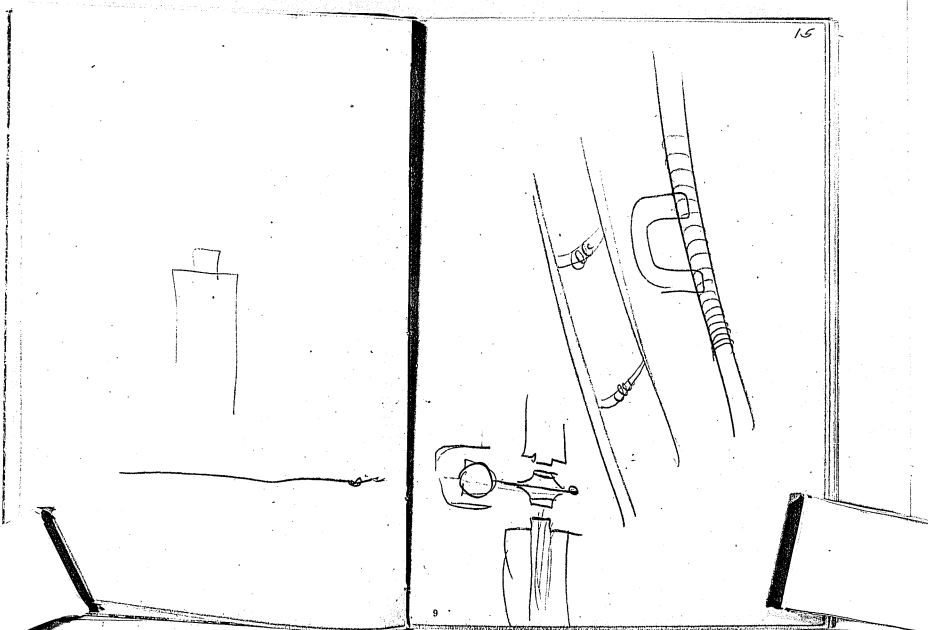
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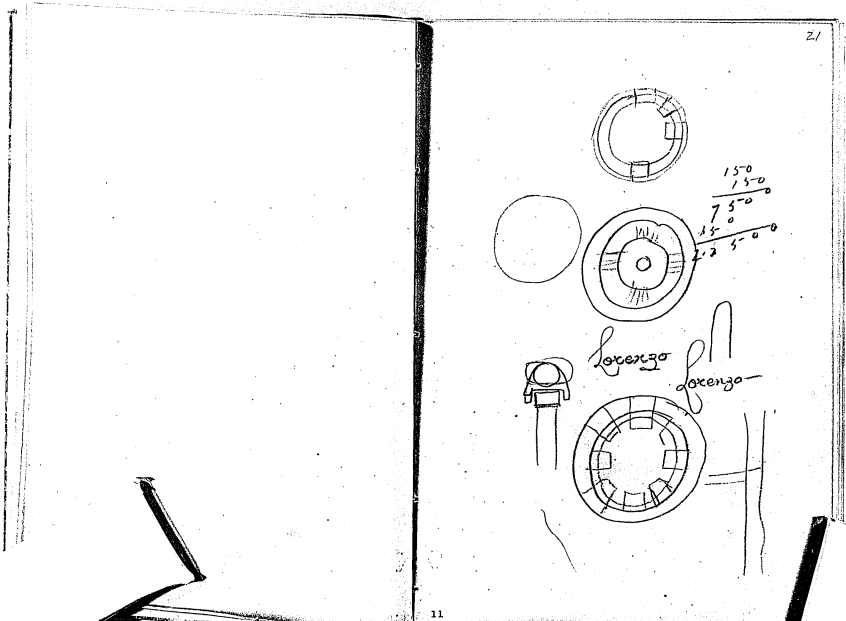
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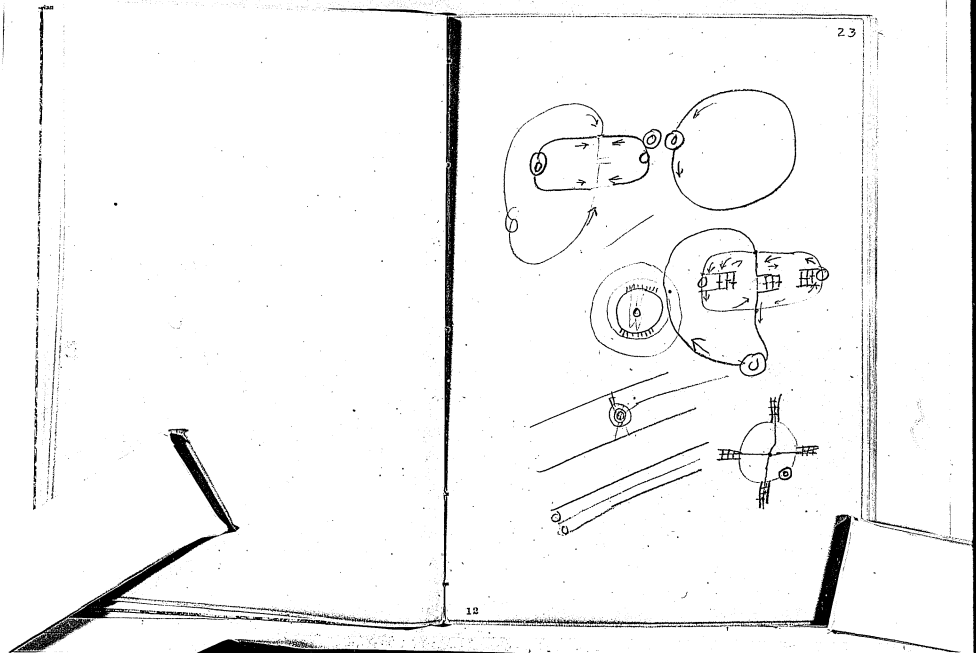
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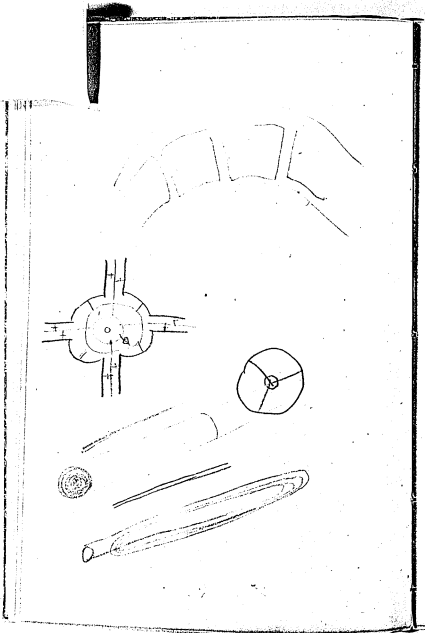

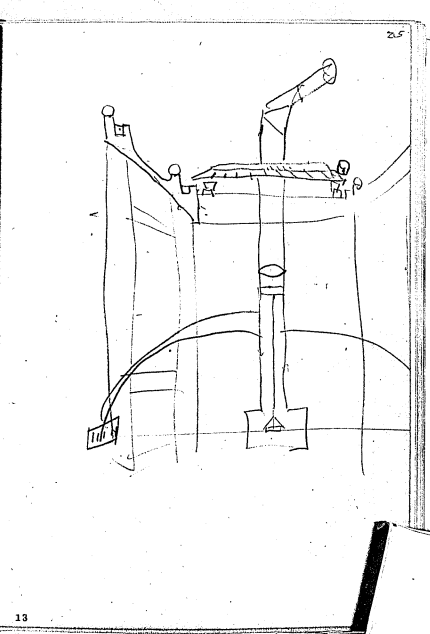
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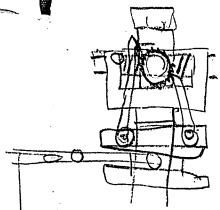

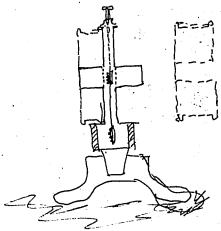

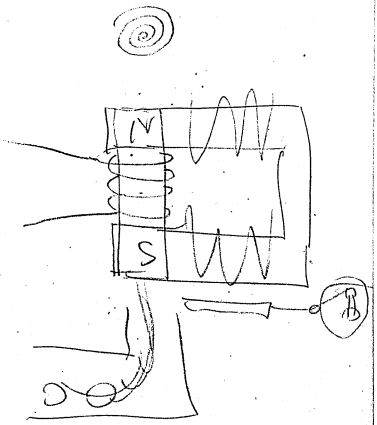
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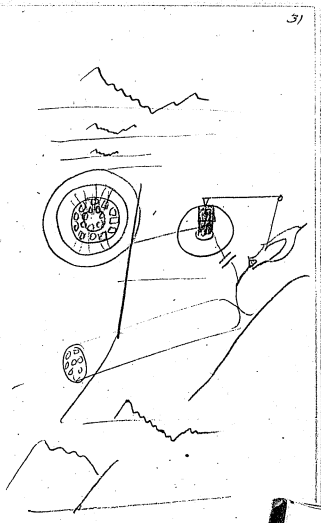
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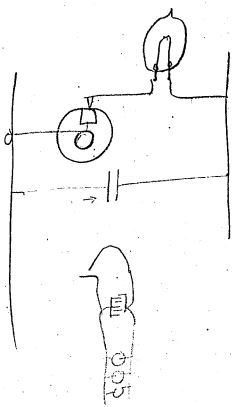

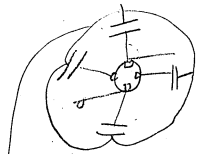

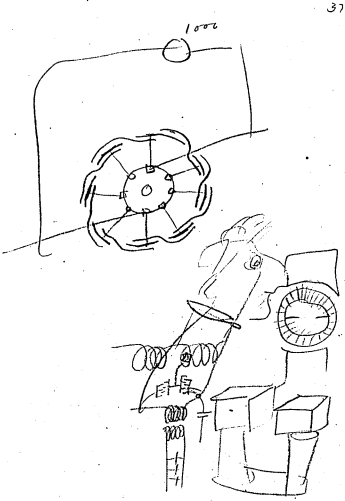
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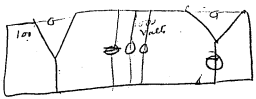
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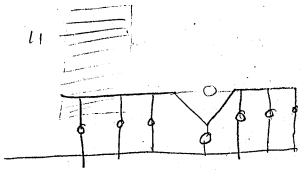
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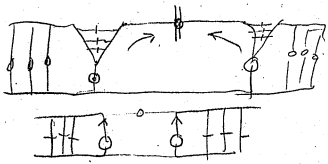

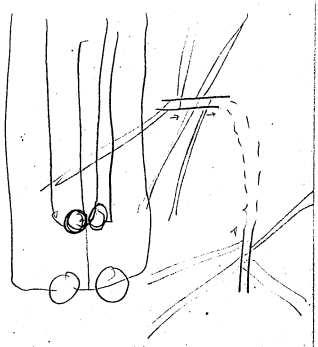

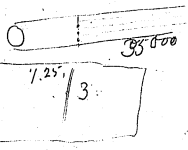
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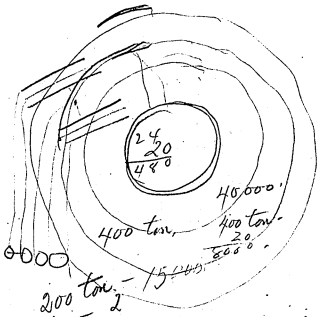

15 - 15000 1000 amp
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2500 Volts 25 - 12 - 6000
2 mile, 24 12000
$/12000 - 24000 lbs 48 24000
12 -

Oct 5 1889

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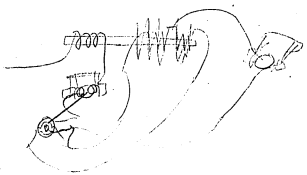
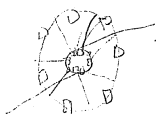
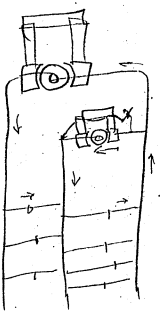
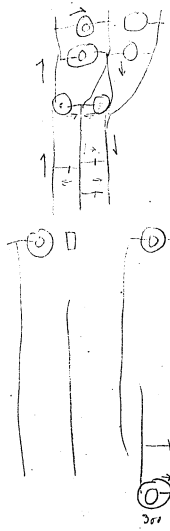
new 3 wire system









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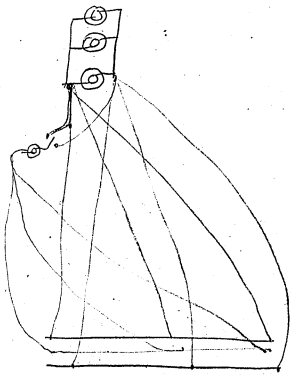
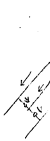
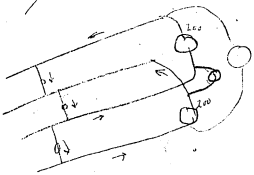
Oct is 1889

new 3 wire system



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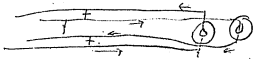

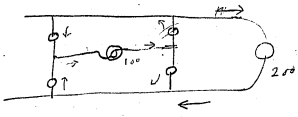
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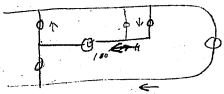
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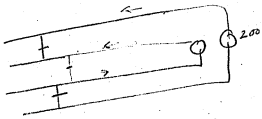
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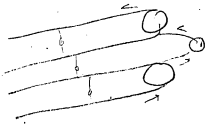

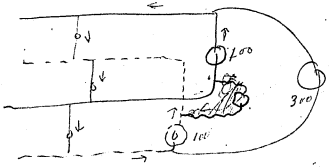
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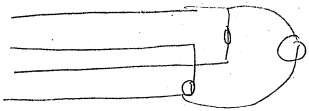

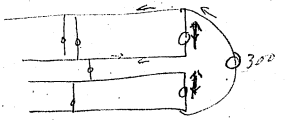
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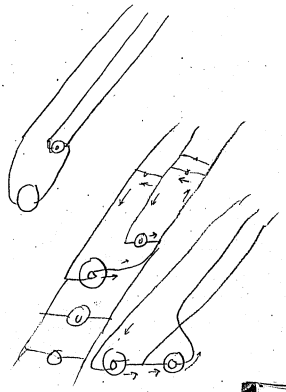

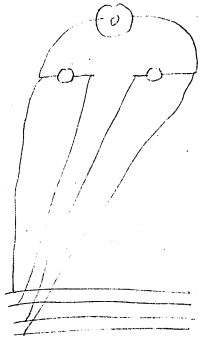

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New 4 wire system Oct 5, 1889

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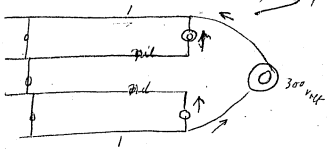

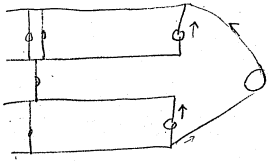

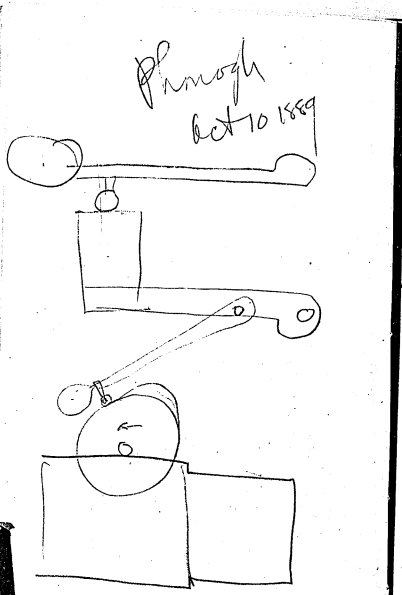
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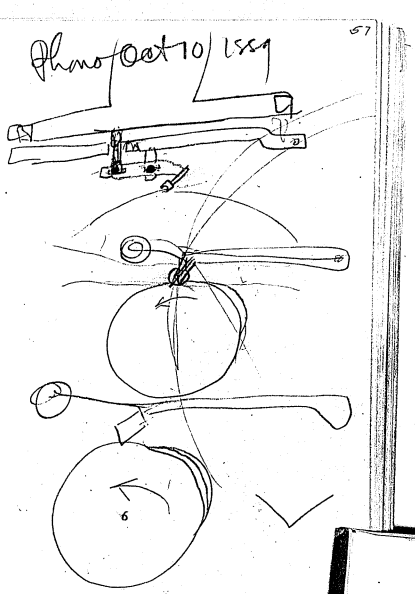
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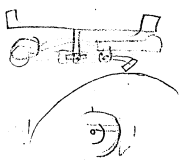

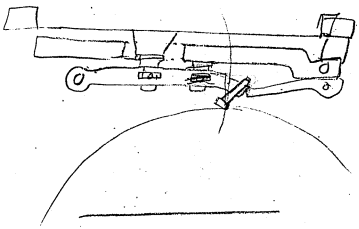

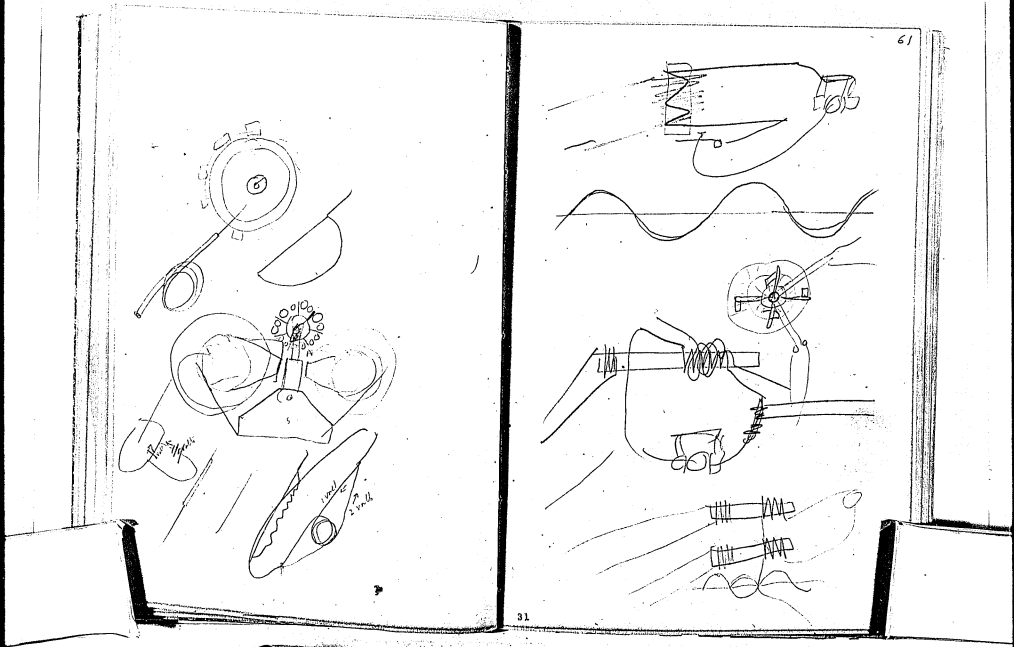
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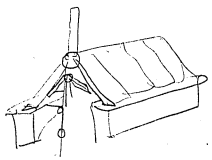

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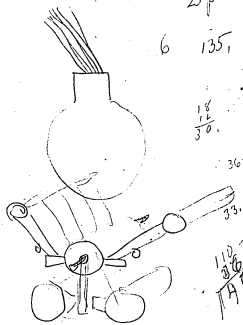

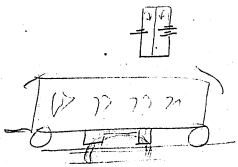

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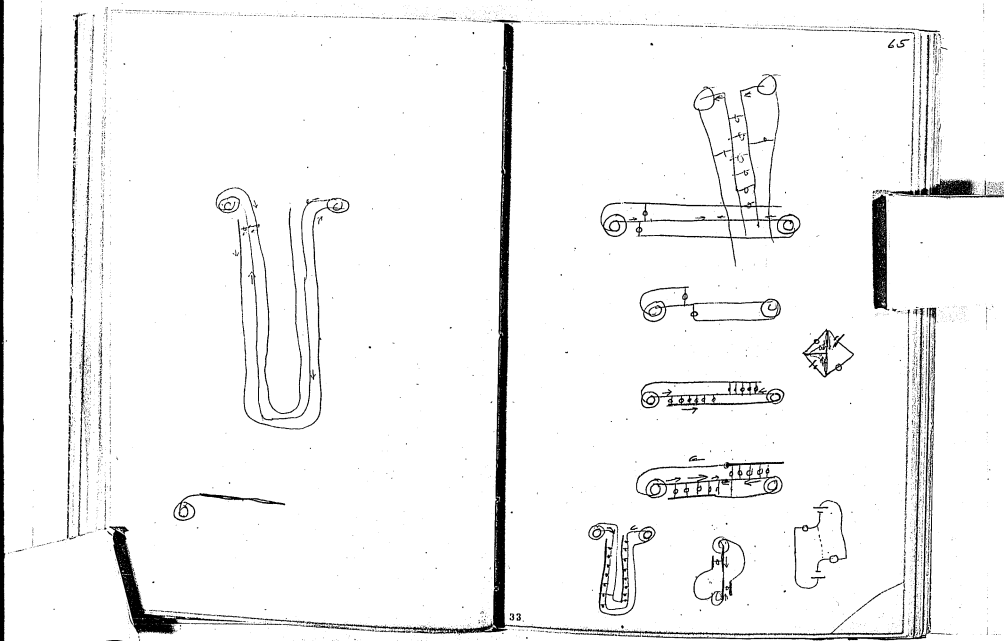
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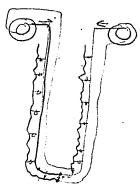

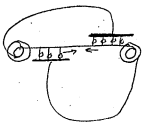

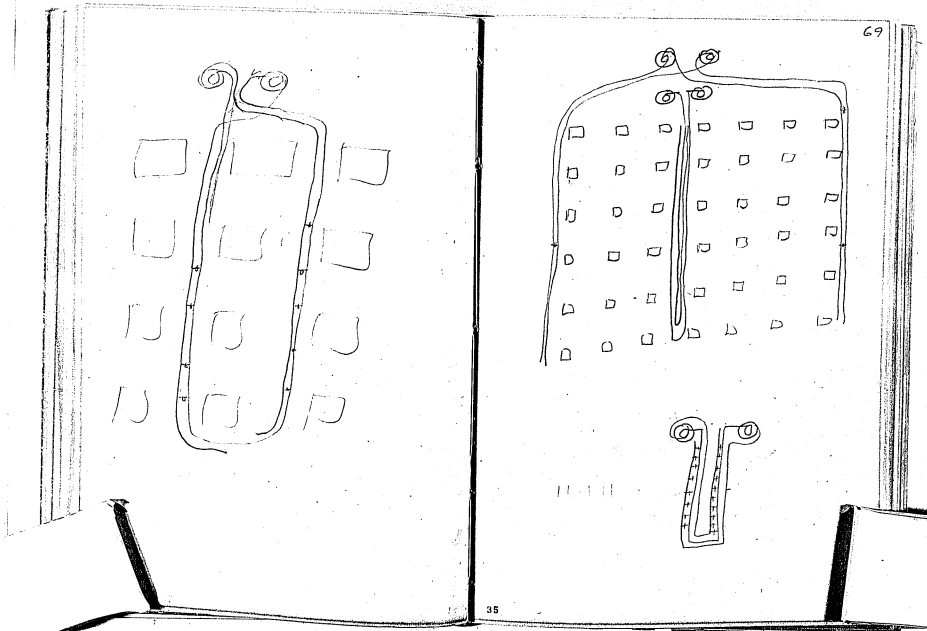
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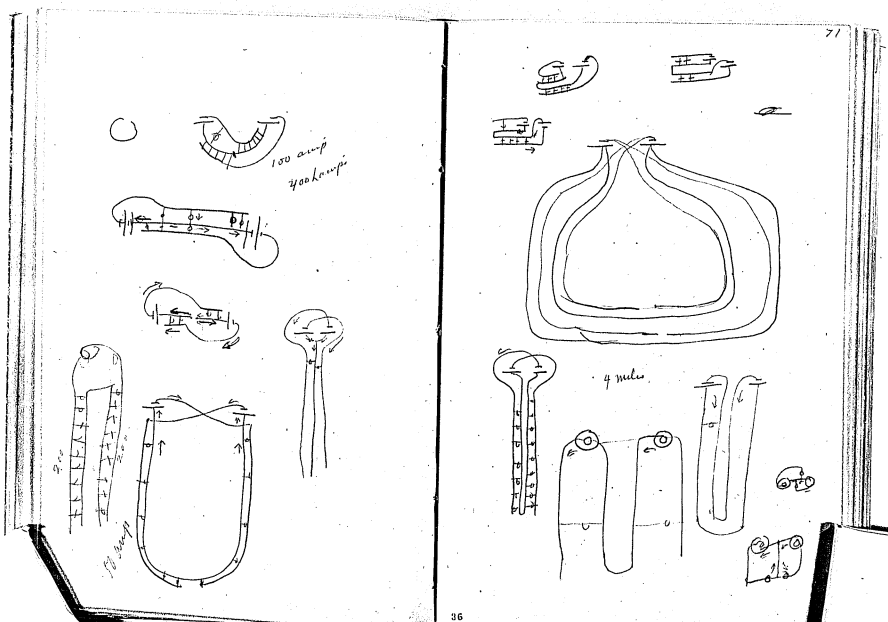
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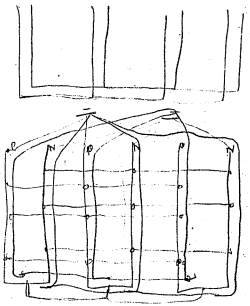

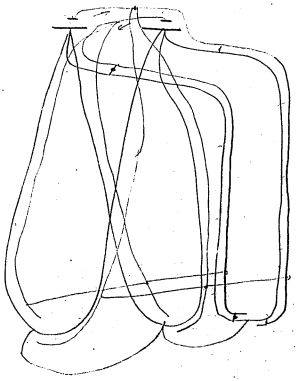

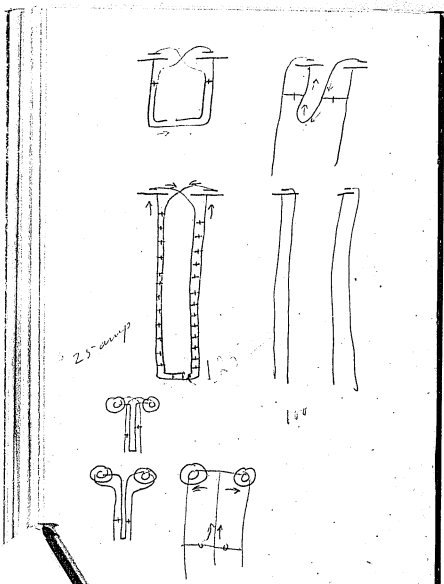
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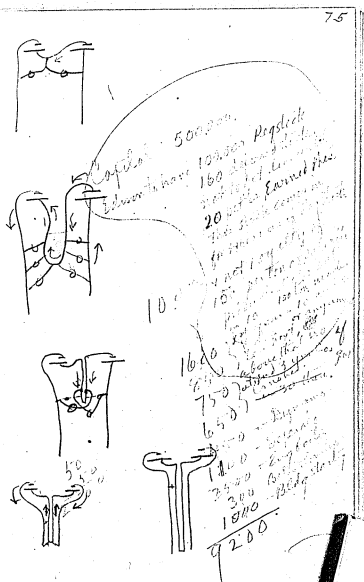
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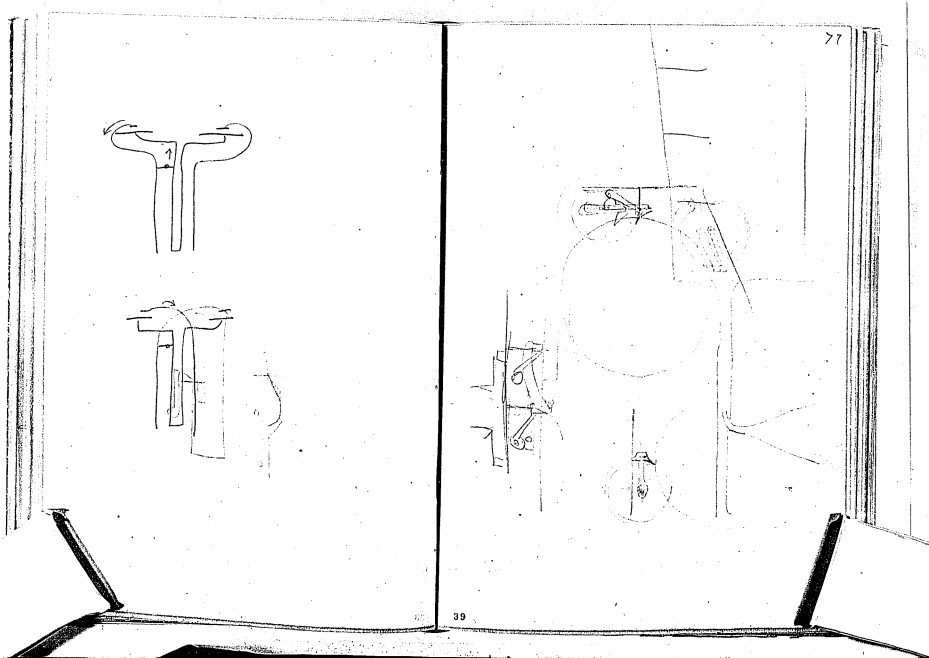
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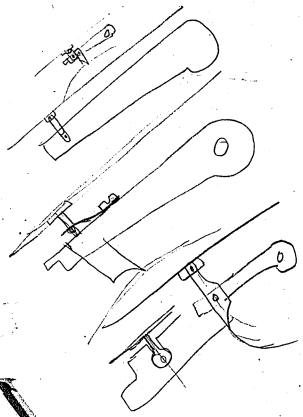

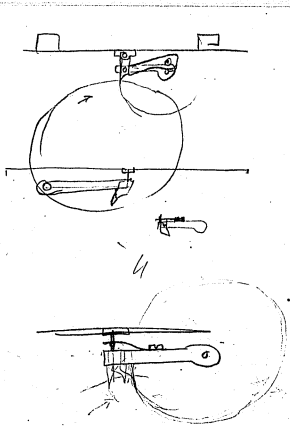

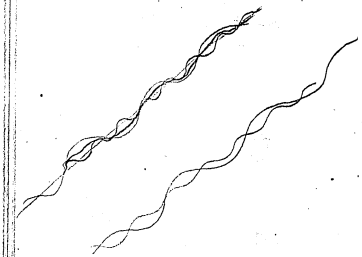

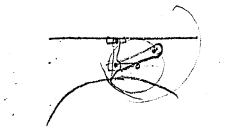

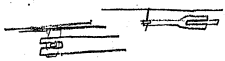

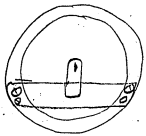

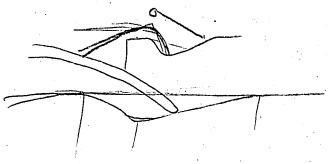

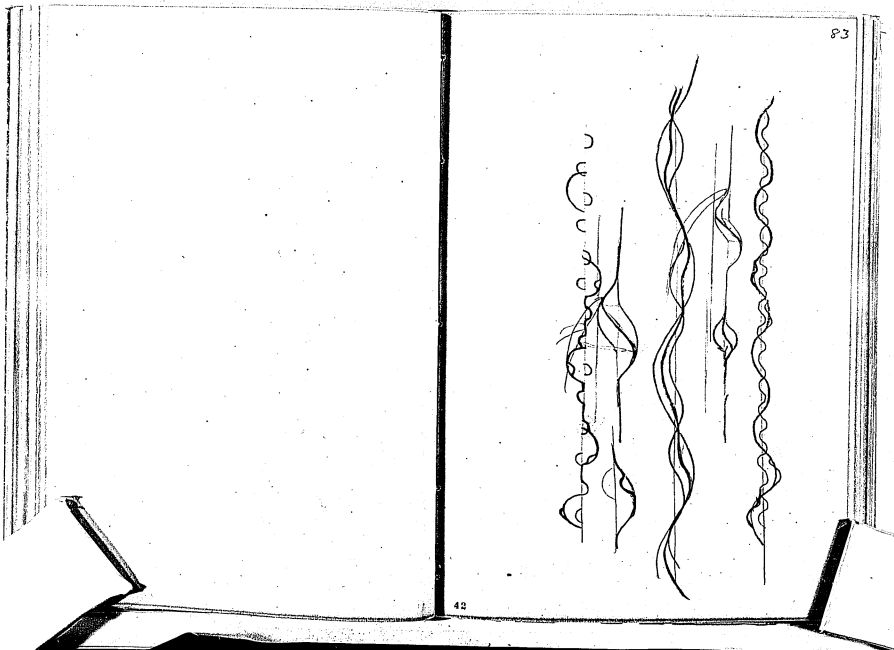
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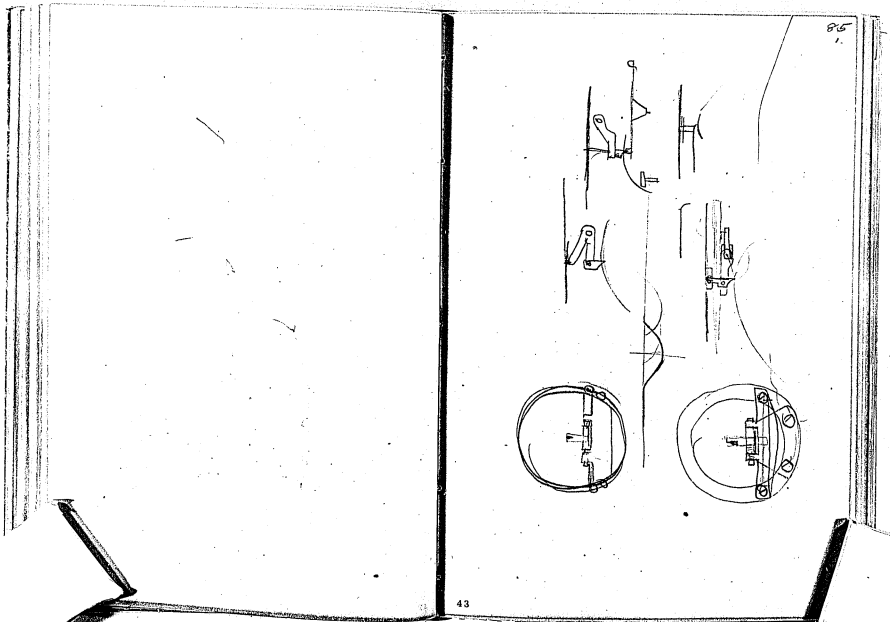

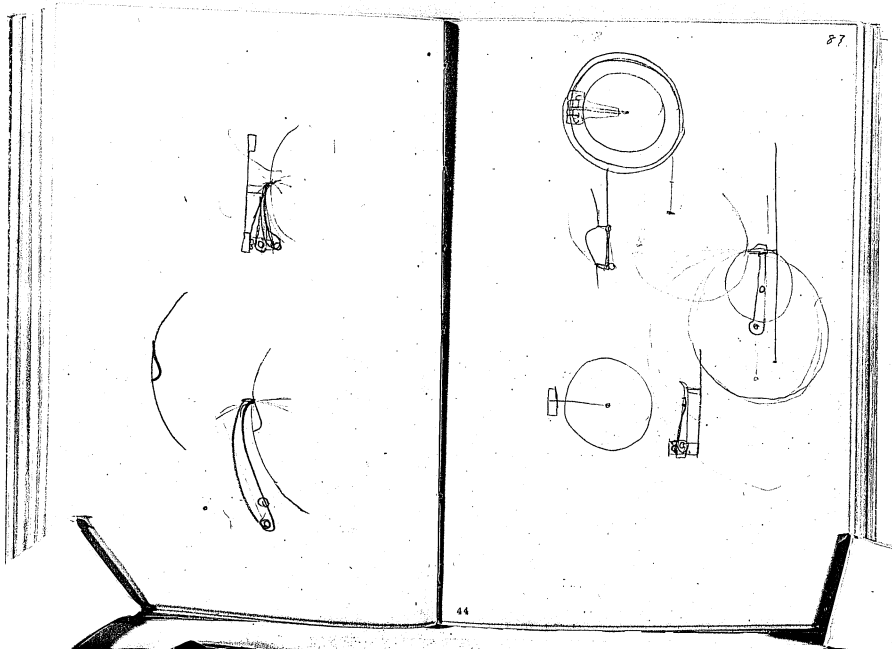
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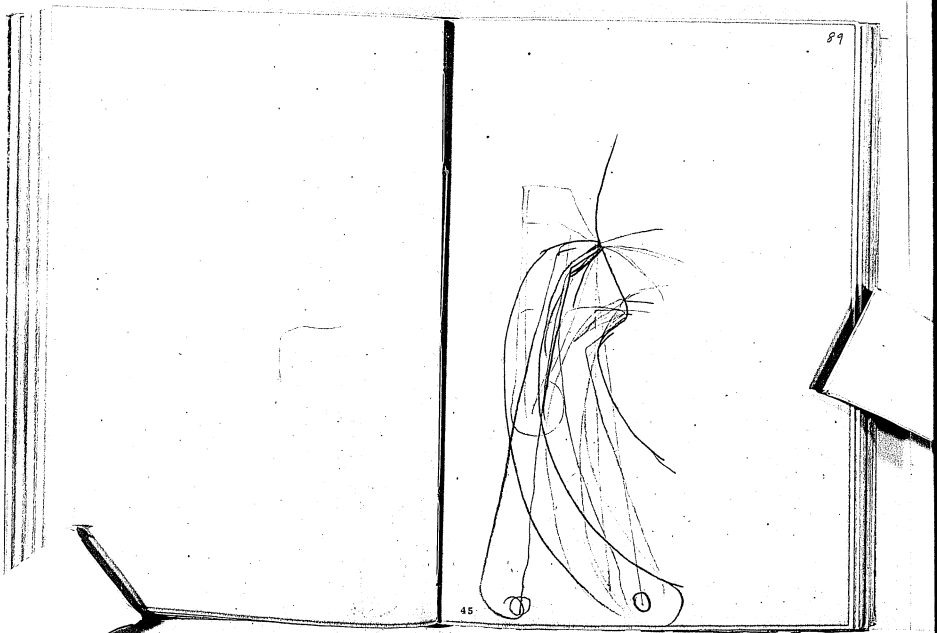
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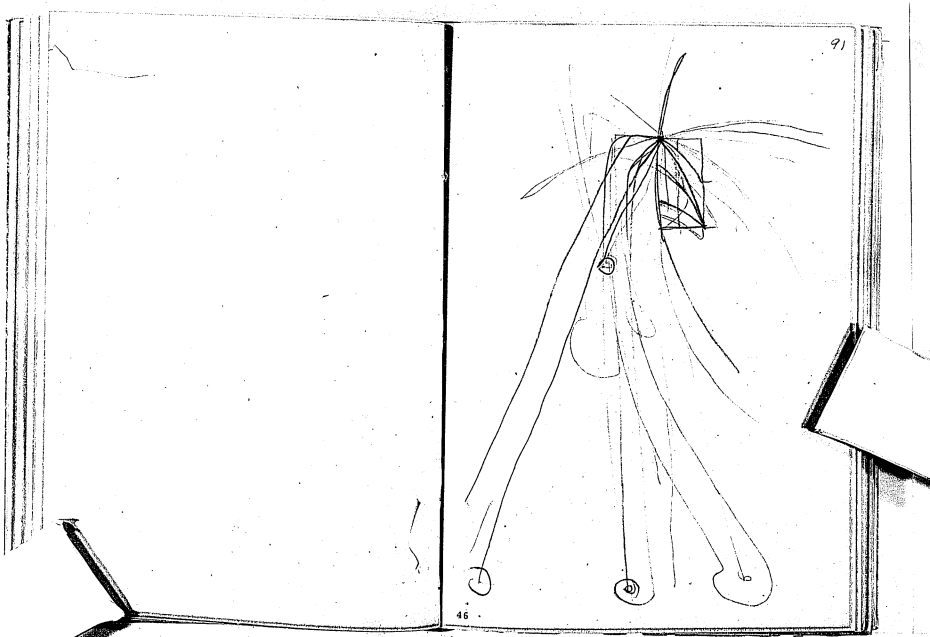
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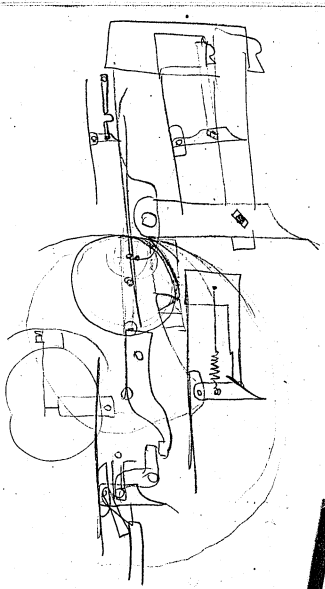
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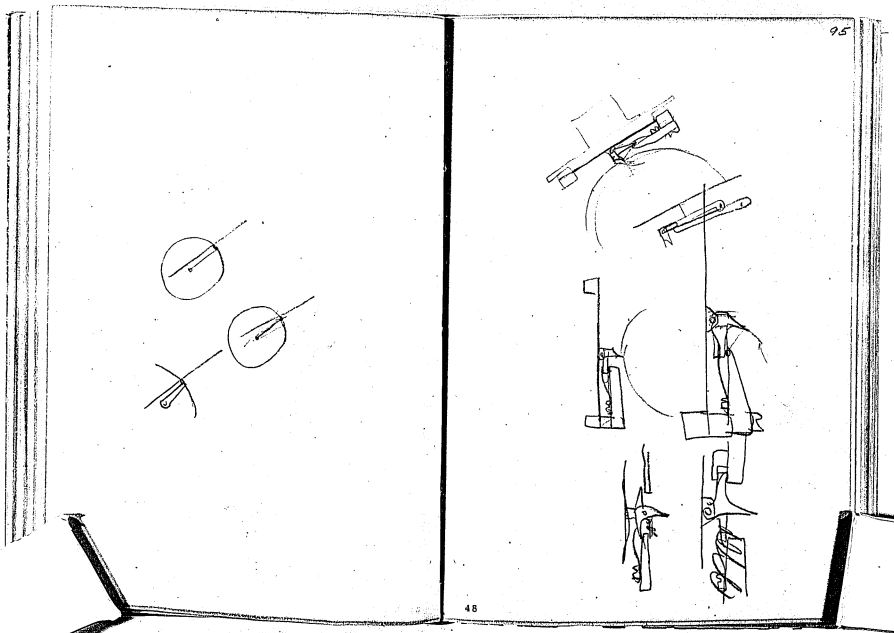
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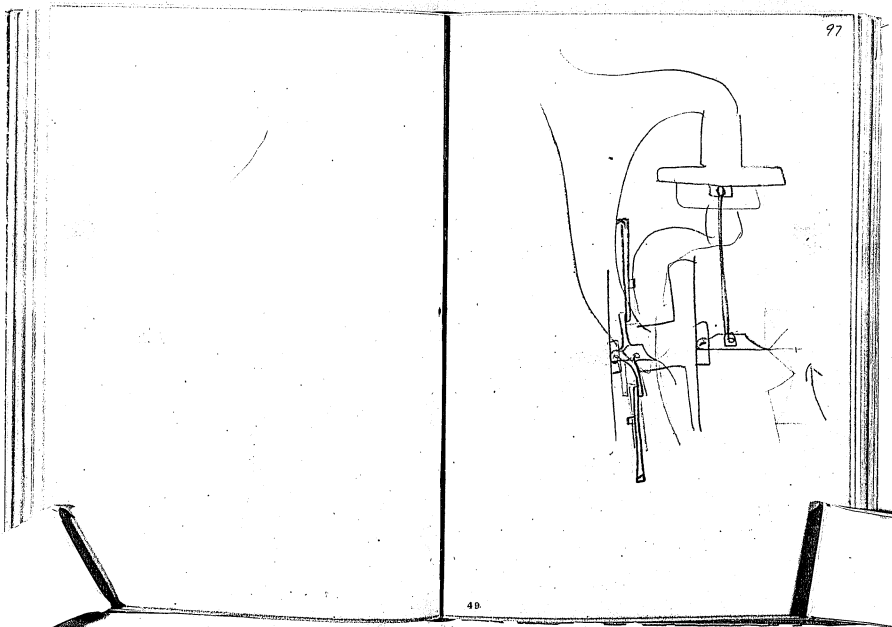
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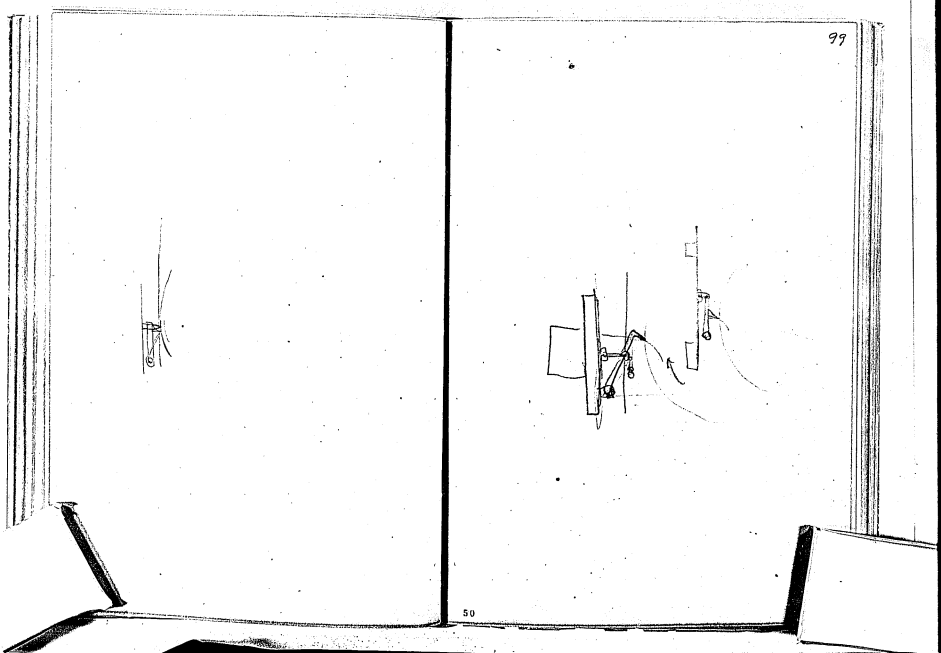
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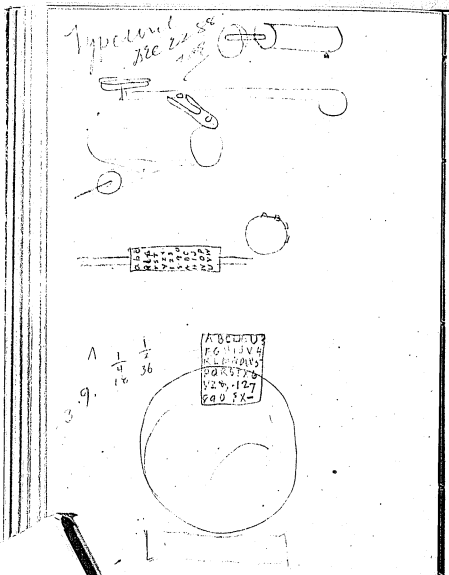

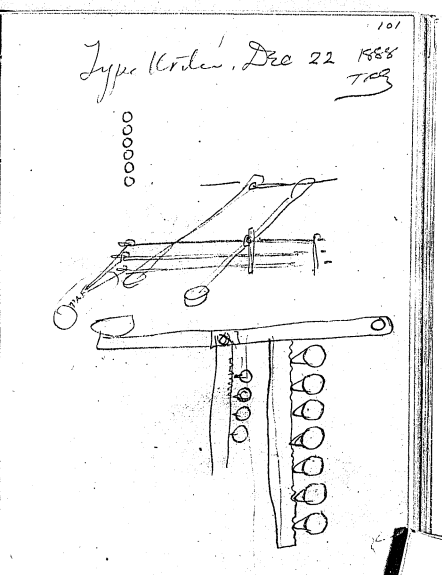
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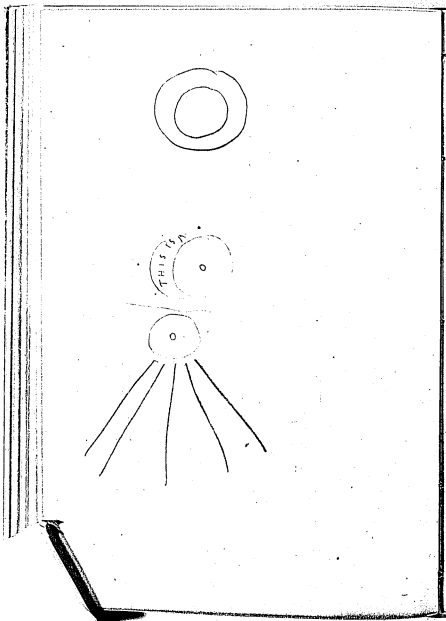
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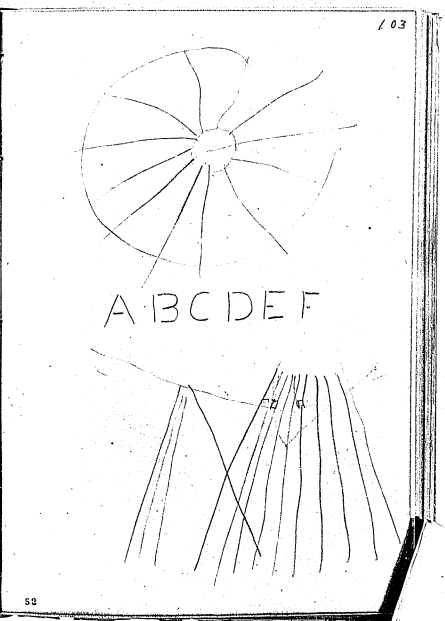
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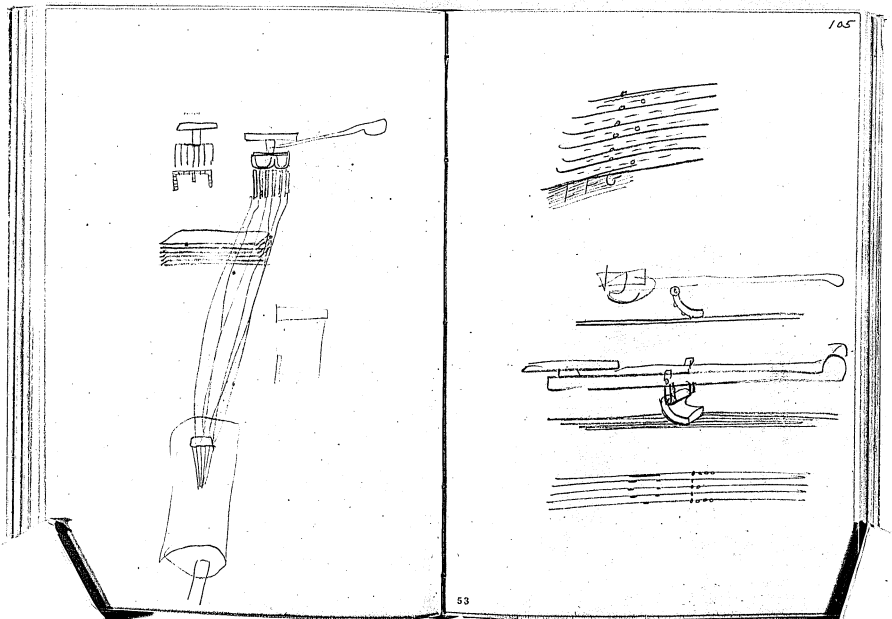
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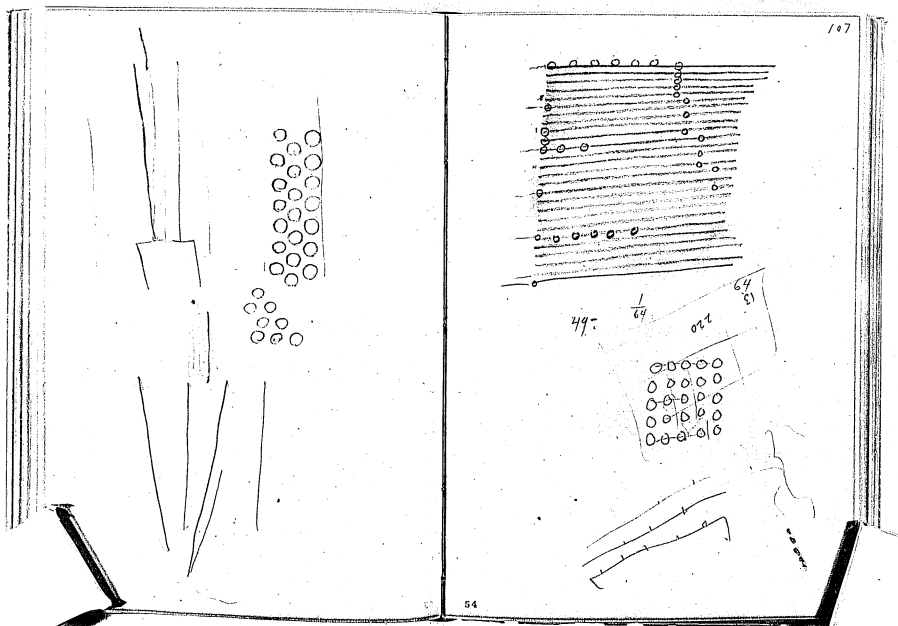
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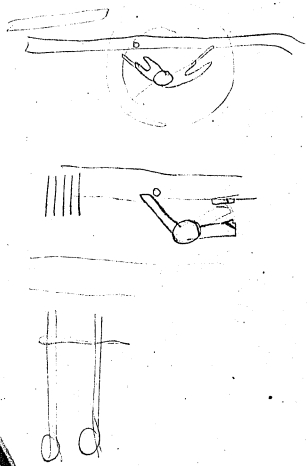

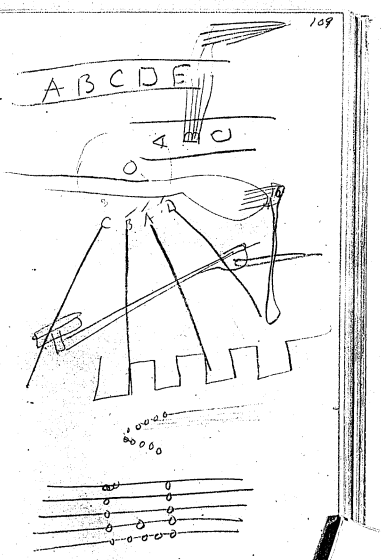
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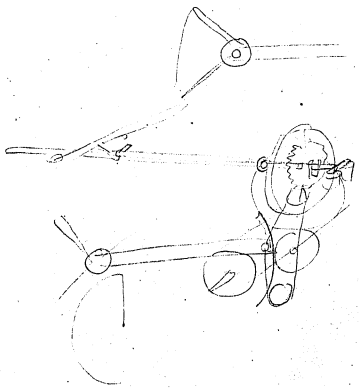

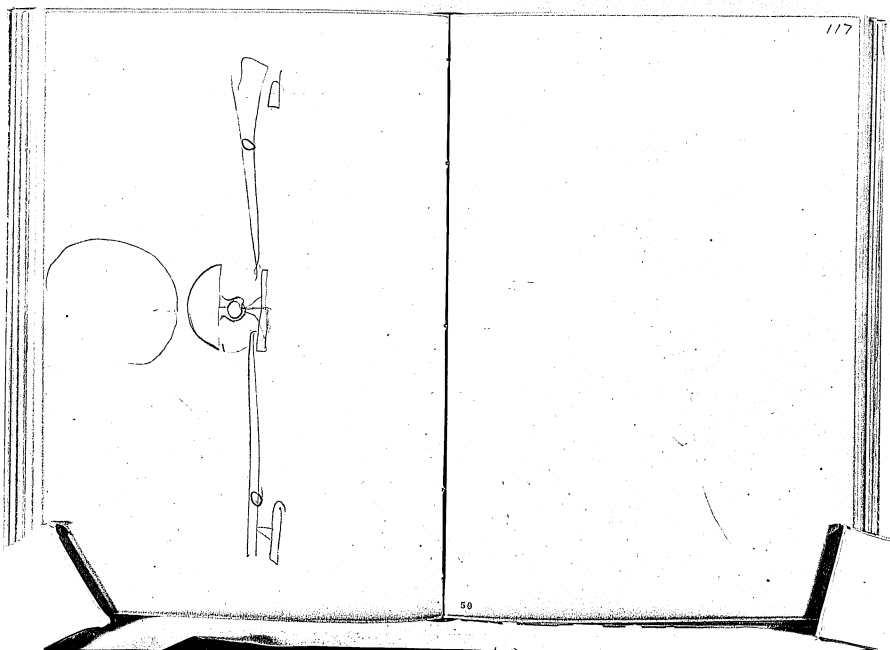
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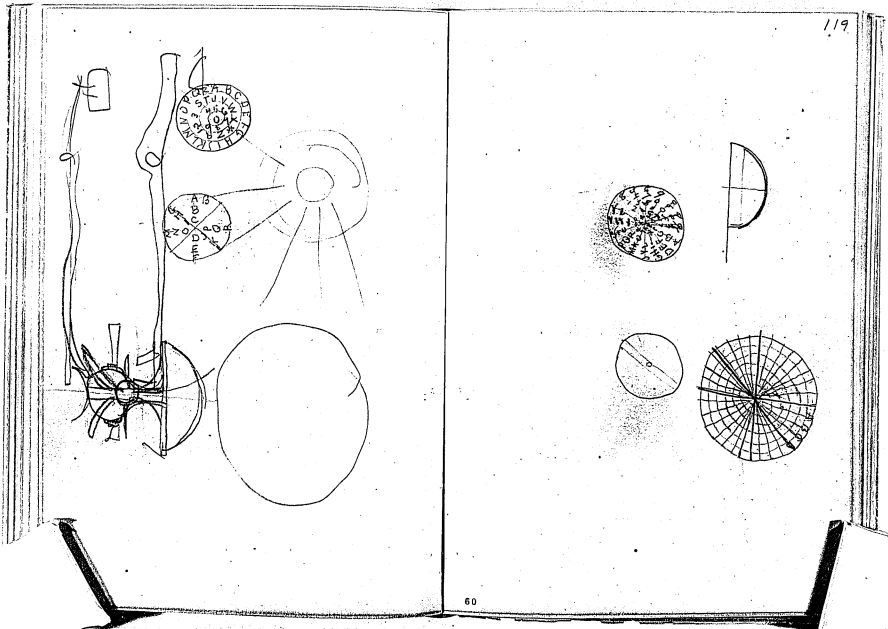
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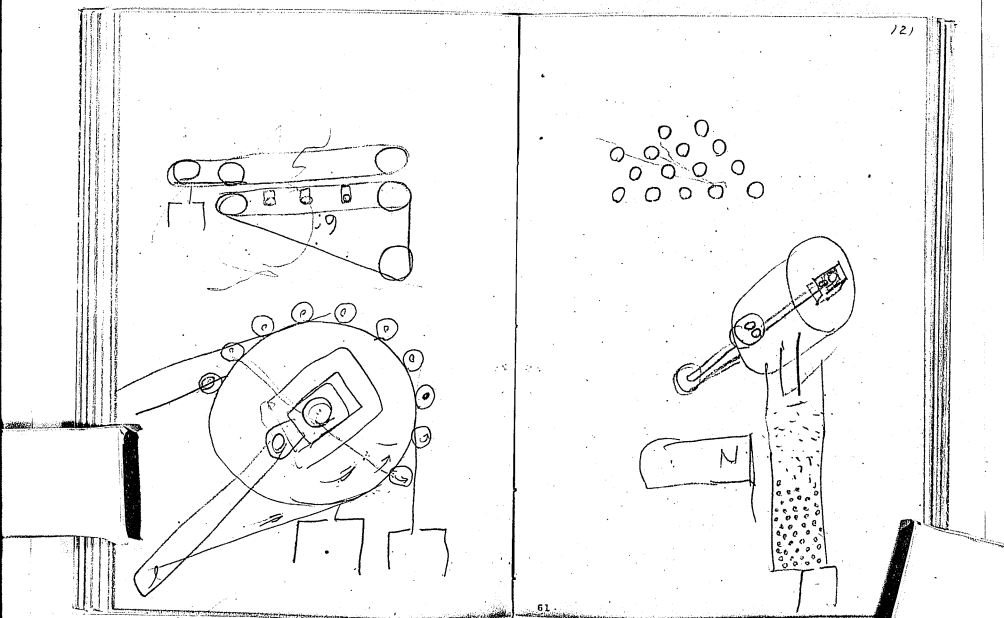
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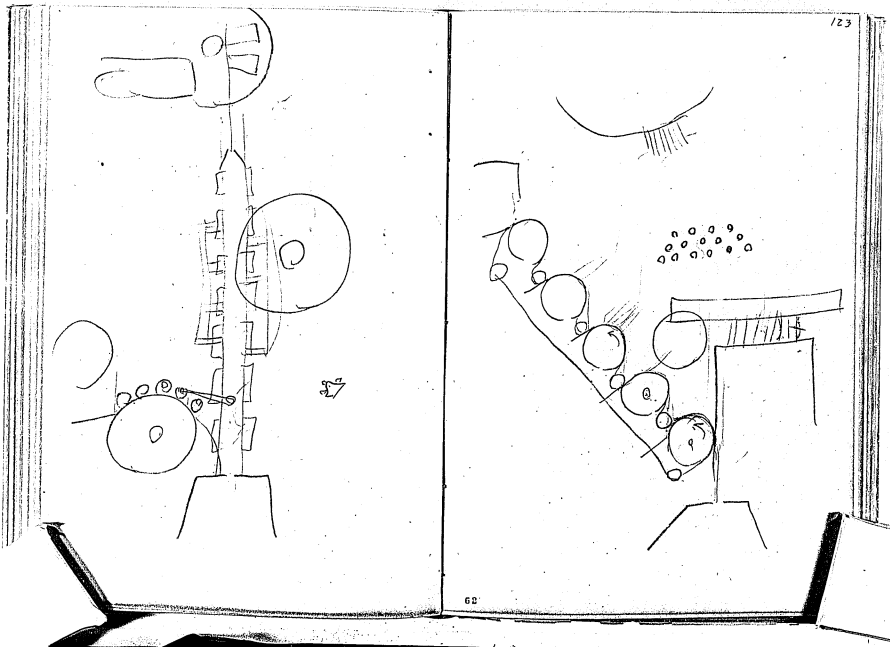
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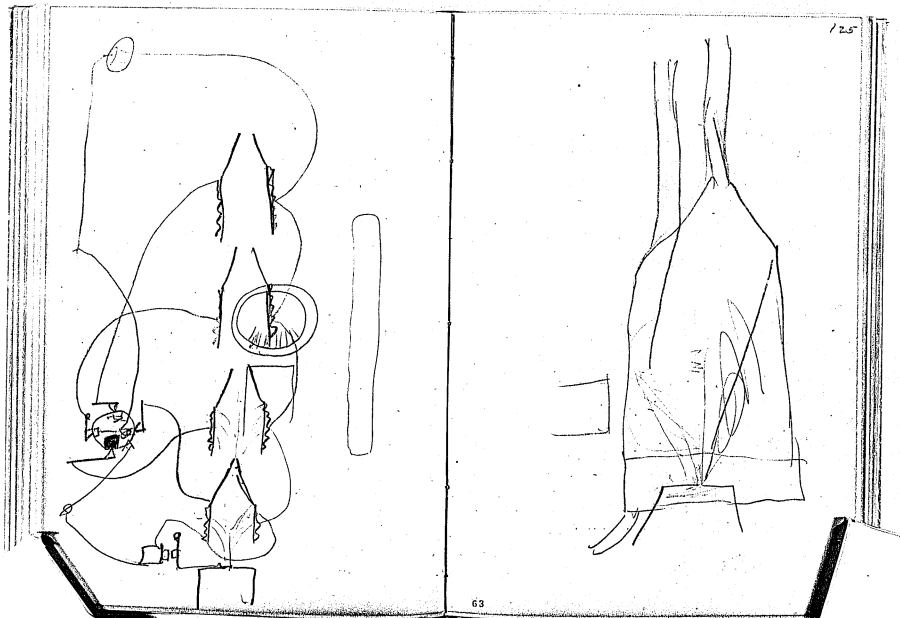
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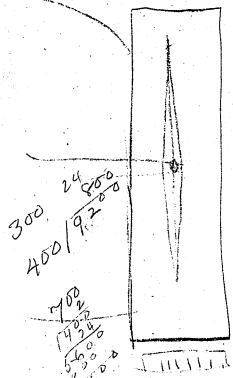

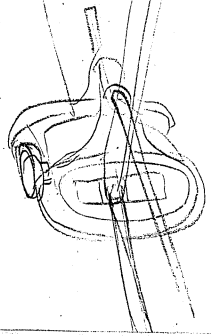

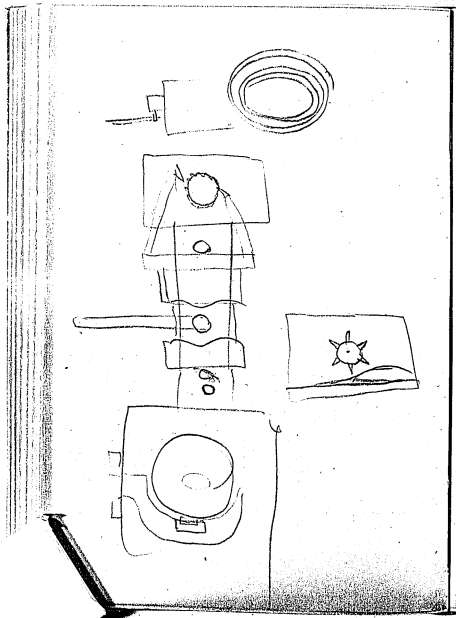

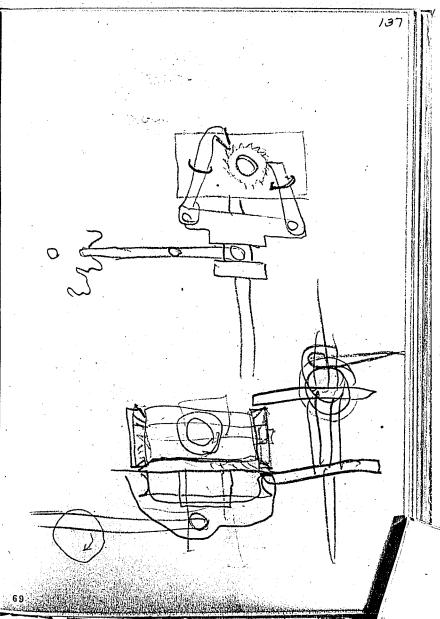
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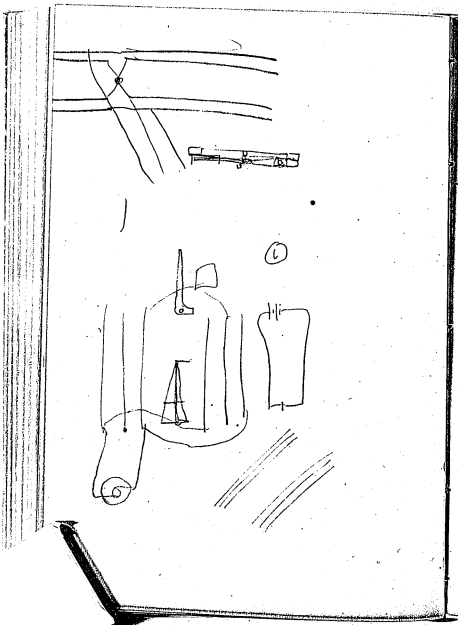

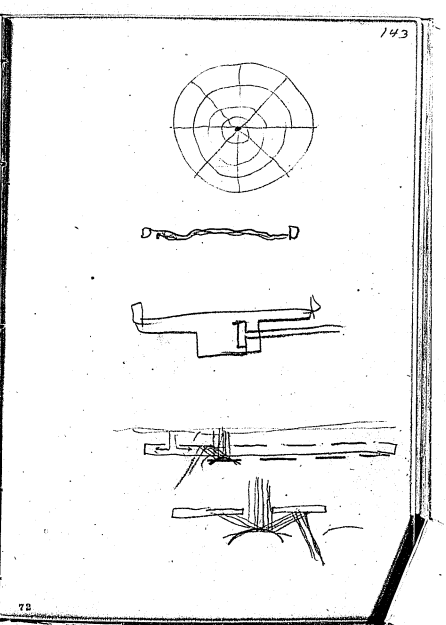
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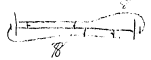

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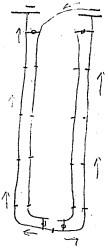

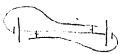

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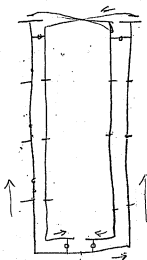

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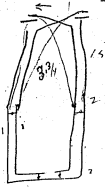

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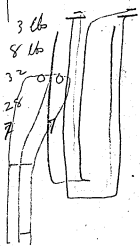

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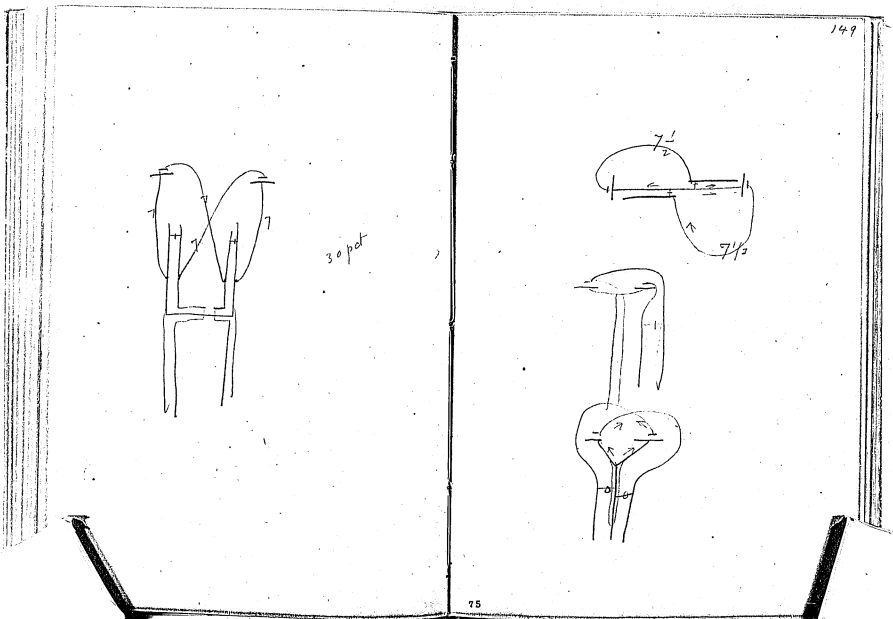
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7½
30 pcs

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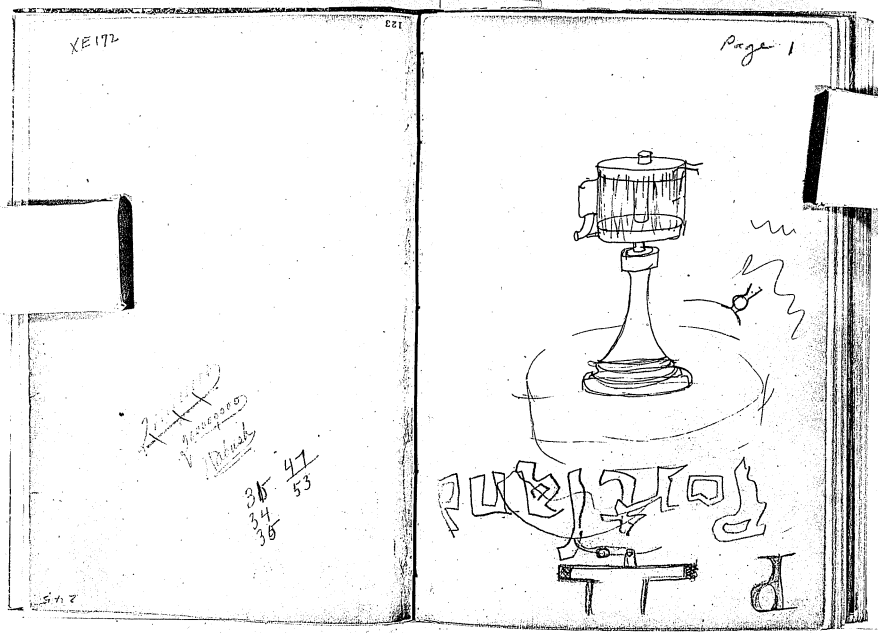

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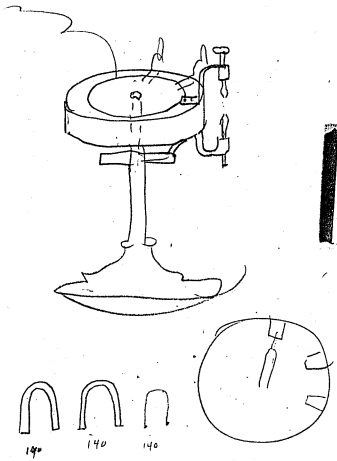

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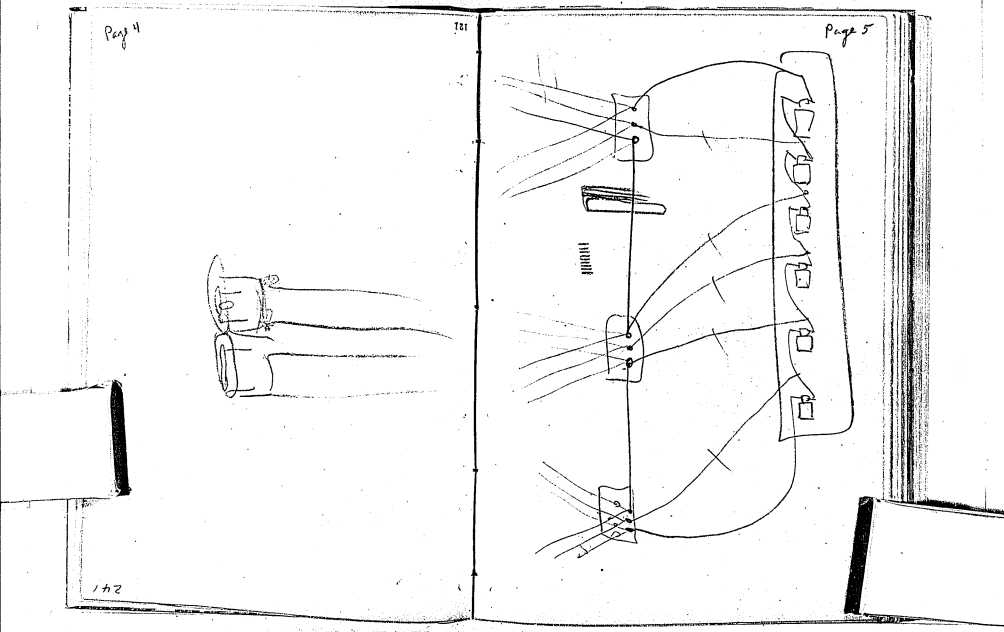
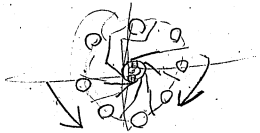
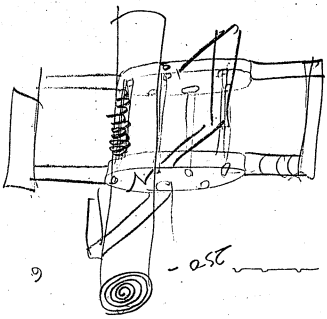
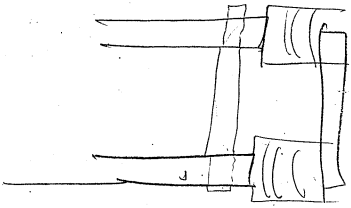
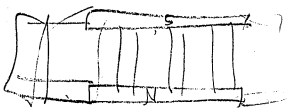
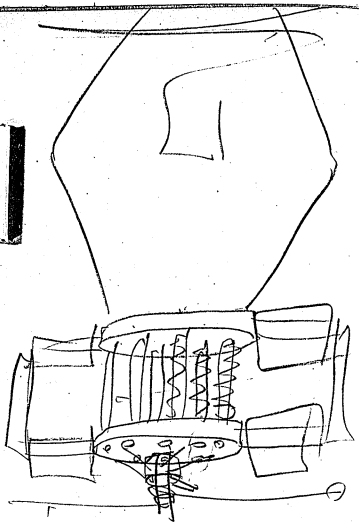

Page 4
Page 5

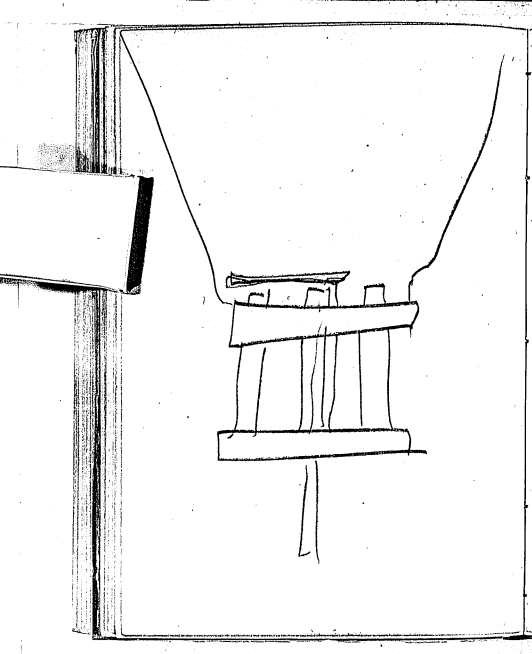


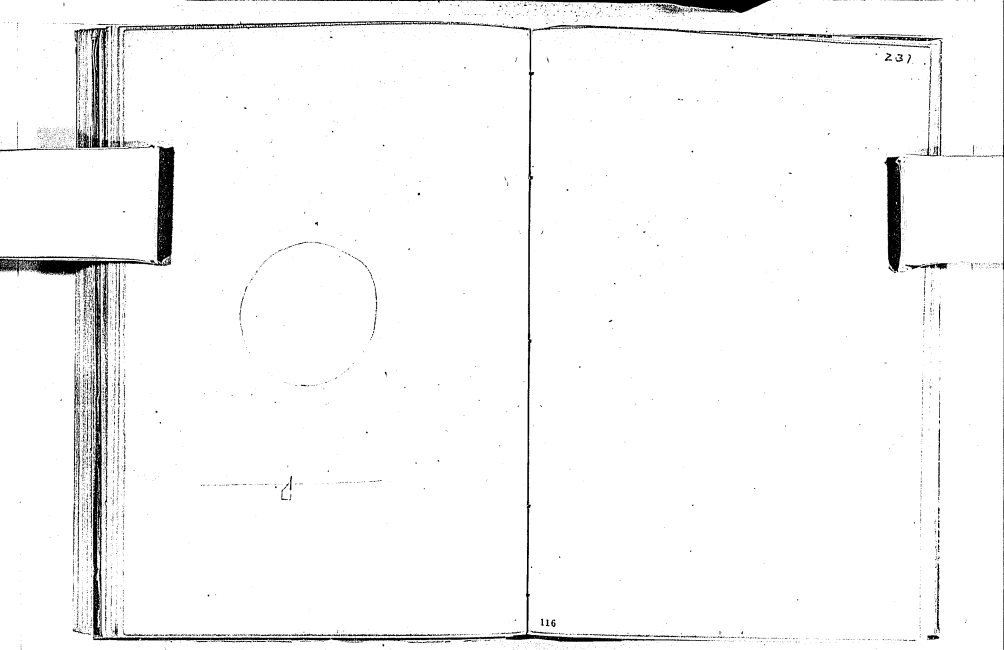








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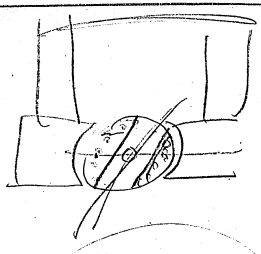

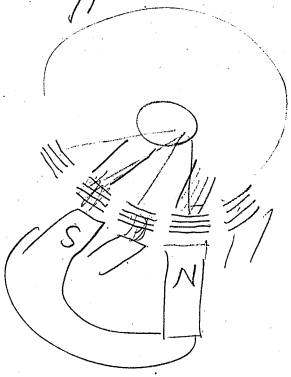
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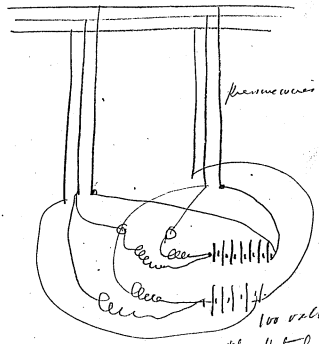
Dept 2/87

New Idea for Volt indicators in Central stations



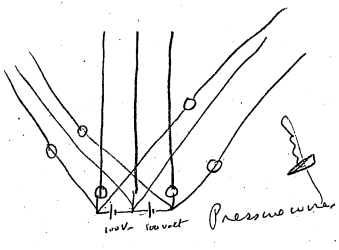
Sept 2/87

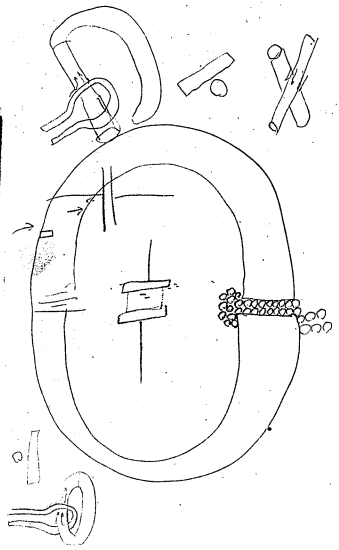
New Idea pressure wires

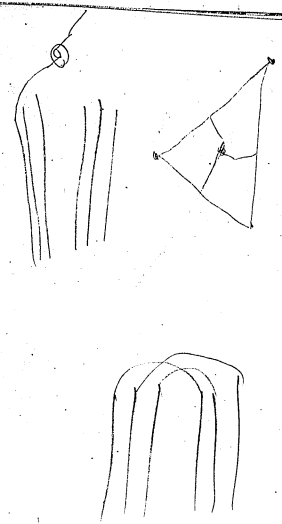
Sept 2/87

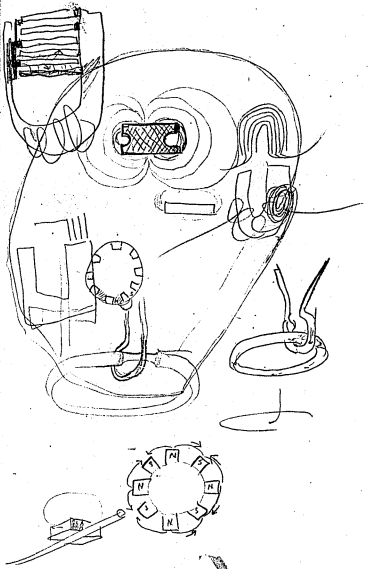
New Idea volt indicators on station,

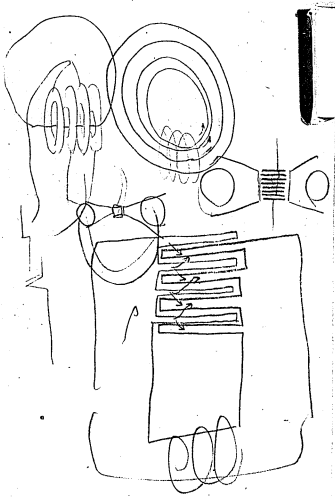
TAE

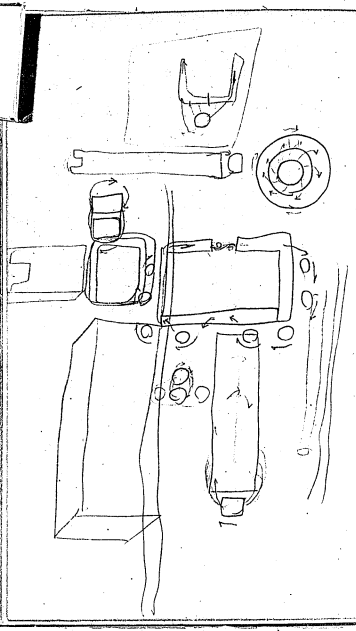










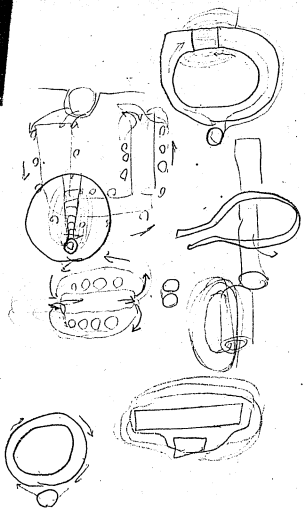


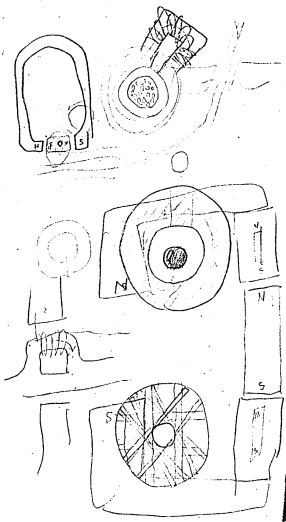
215

9 tan ait 20 180
90 ait — 90 ait 8
5 140
71 —
11 —
90 — 90 part

9 180
90 — 90

75 11

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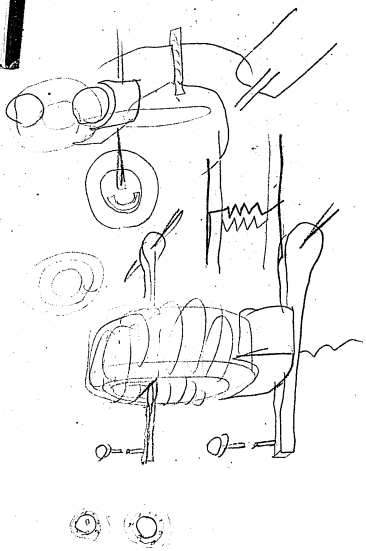

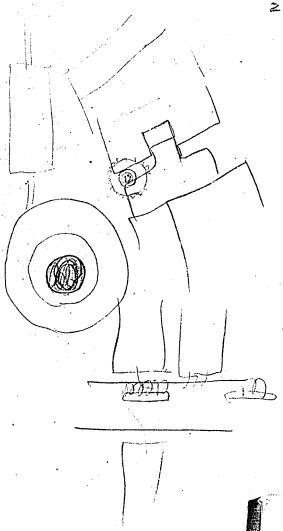

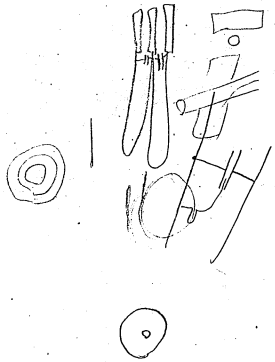

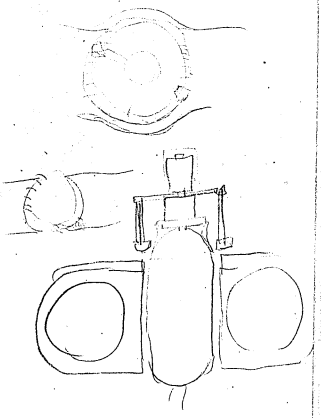

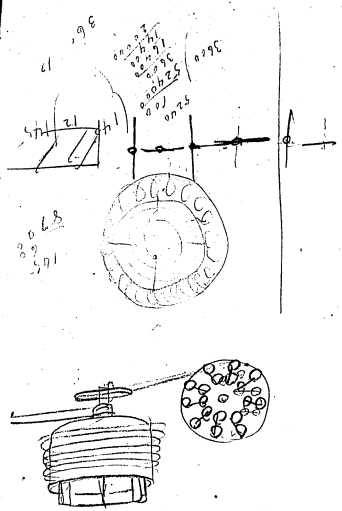

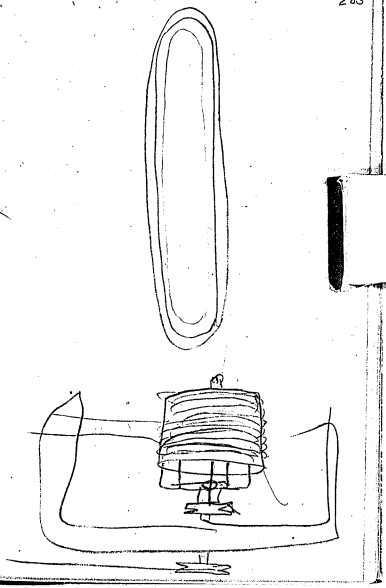

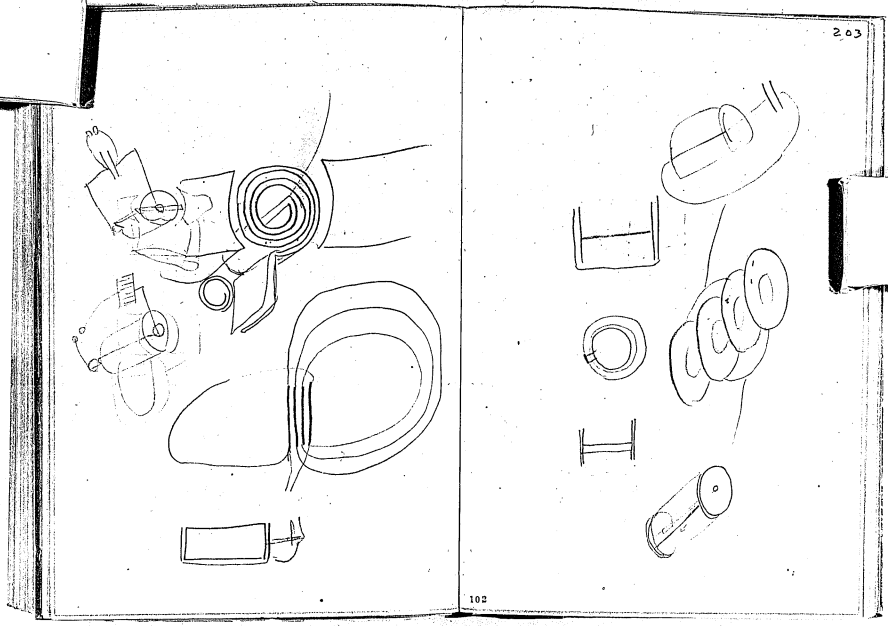

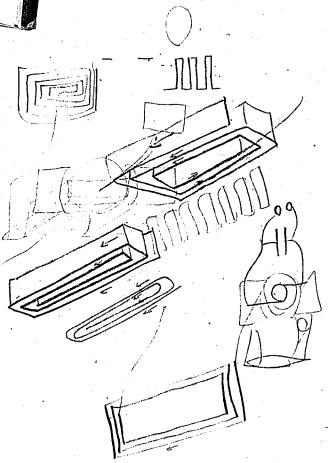

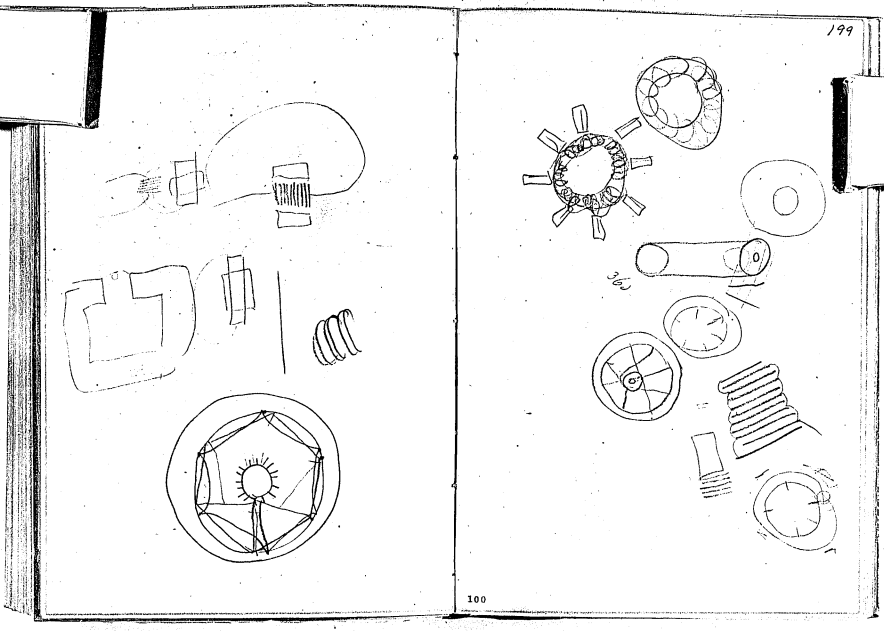
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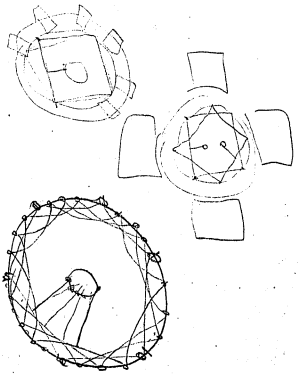
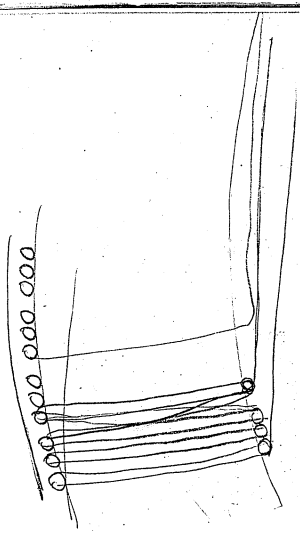
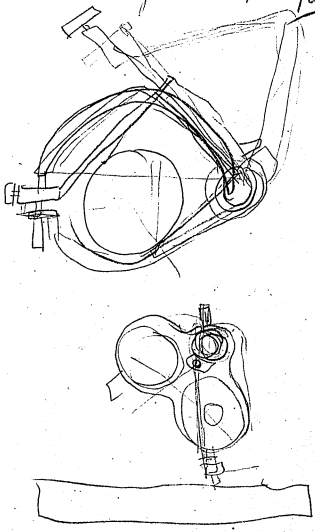


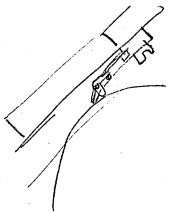


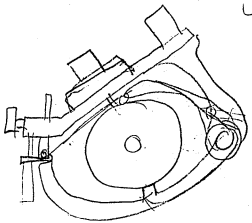
Through Nov 27 88

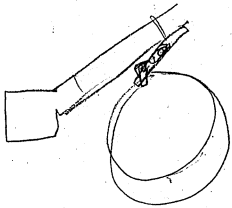
TAS



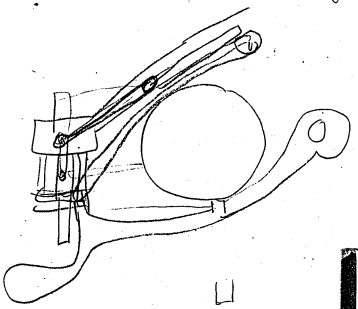
Plough Nos 27 & 28



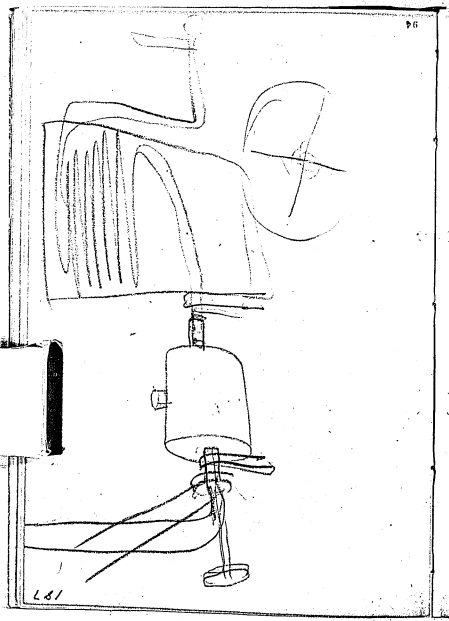




Planing Mill 2 7 88



Phonograph Nov 28 88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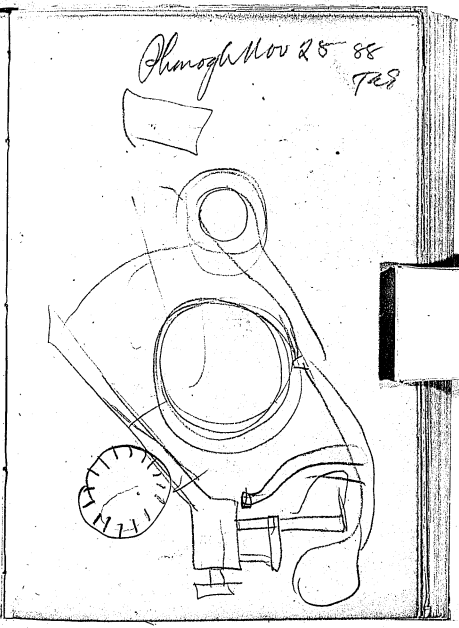
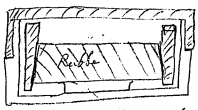
L81


Photograph Nov 25 88
7:28

Phonogh Jany 11 89 Tal

Phonogram

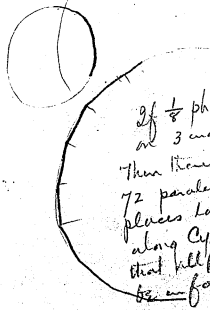


Glued on to Cam

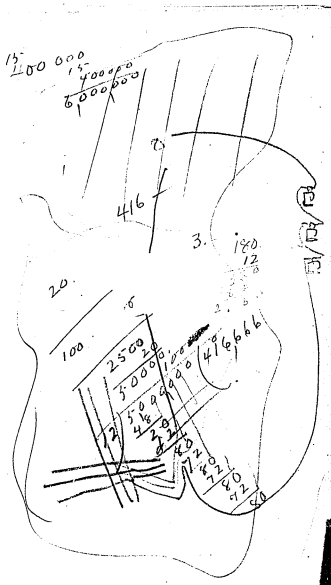
Rubber gives the necessary spring & allows need material & Cambs to be reduced - by allowing 7 inch 60 p/min to d/a speed / sixty 60 p/min to d/a speed once which & running over once a 004 / Recorder & return & running again be Cancelled leaving 1000 words can be got on phonogram / each Cam

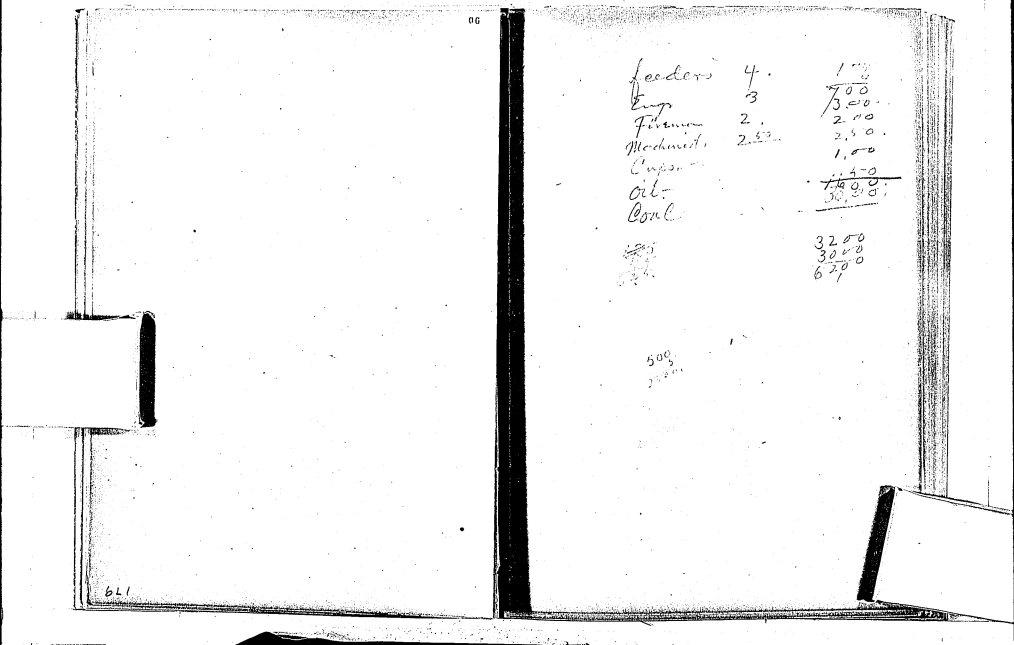
581

Kinetoscope Jany 11 89



glass strip Coated &c painted
along side Edges either but
there is perhaps sufficient
a varnish might be used
Collodion &c enamel
&c.


1500 000
1500000
6000000
416
3.
180
12
20
100
2500
5000
416666


06
feeders 4.
3
Fireman 2.
Mechanic 2.53
Oil.
Coal
32 00
30 00
62 00
500
611

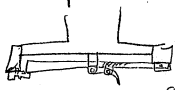
Caveat Feby 10 1859 -

Take Record. chill it to Zero in a mould then pour Hot No 2 to get an inside. Then split this & by pouring hot No 2 while Mould is at Zero. Duplicate

also perhaps hypermuriat. or soft mat. warm forced in -

Worsted or Yarn Cotton dipped in a tough mallen material like Asphalt + Rubber to make tough. Blanks for Veneering

Caveat Feby 10 1888,

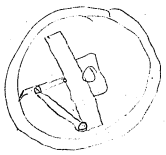


Weight Rec'r
Trans
also as transmitter

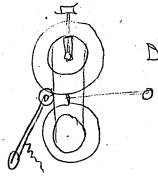
Swing bracket

28

Caveat Feby 10/88



Recording unit inside so it can be electronically assembled.

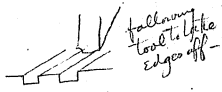


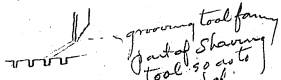
Duplicate

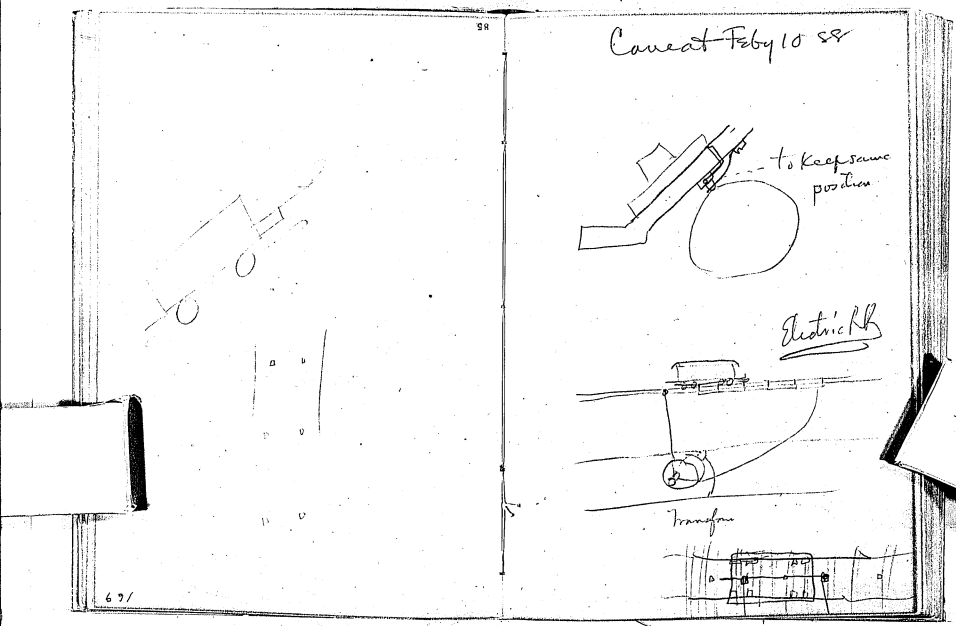
ELI

Concert Feby 10 88

Musical or Mask blanks
to be Hard Rubber backed
& Records to have sunk

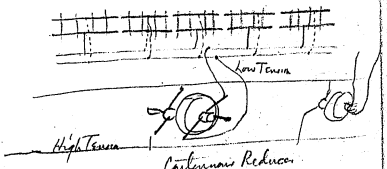





Concept Feby 10 88
to keep same position
Electric RR
Transformer

Concast Feby 10 58

Steel RR



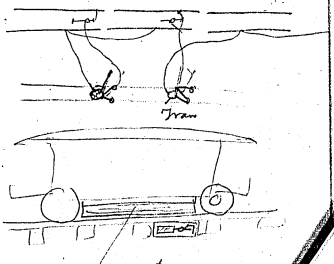
filaments Asphaltenic bodies
Separated then treated
and Chloroform with a
~~Sat~~ Chlorinating agent

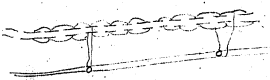
Iodide amylum
Separated

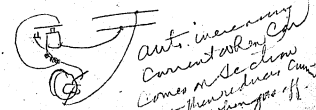
Sulphuric acid
formed + separated

25
5/100
12/1000
12 x 60 x 10
3 Watts
64
176
1000
7000

Caveat Feby 10-88







Automatic increasing current at Rear Car
Comes on at section
of Transmission Cable
with engine off

1 ohm

15.
16

1 ohm

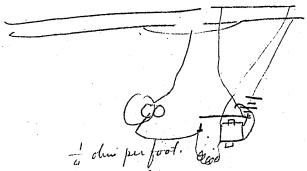
1/5 ohm

1/10 ohm .1250

1/20 ohm

2 cut 1/4 ohm

Concat feby 10 80



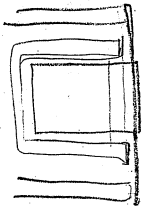
1/4 ohm per foot.

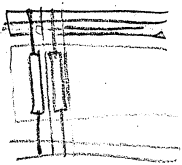
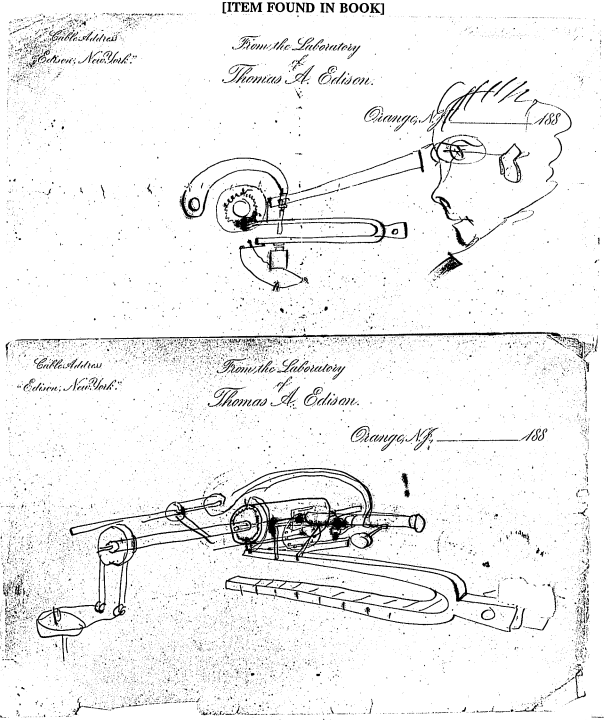
2 feet 1/4 ohm

4 1/8
8 1/16
16 1/32 ohm

150 lamps 1 foot

81
161





[ITEM FOUND IN BOOK]